

EMERGENCY RESPONSE REPORT
FOR
SOUTHWEST RICE MILL
1504 W. MILL STREET
CROWLEY, ACADIA PARISH, LOUISIANA

Prepared for

U.S. Environmental Protection Agency Region 6

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Contract No. EP-W-06-042
Technical Direction Document No. TO-0002-11-05-02
WESTON Work Order No. 20406.012.002.0639.01
NRC Nos. 977719 and 977725
CERCLIS No. N/A
FPN: E11620
EPA OSC: Greg Fife
START-3 PTL: Thomas Walzer

Prepared by

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15 September 2011

PROJECT SUMMARY

This final report describes the U.S. Environmental Protection Agency (EPA) response actions for the Southwest Rice Mill Oil Spill. Southwest Rice Mill (SRM) is a rice mill and warehouse complex with an office at 1504 W Mill Street, Crowley, Acadia Parish, Louisiana. The detailed report follows this page, and all attachments are provided as separate portable document format (PDF) files.

On 29 May 2011 a private citizen contacted the National Response Center (NRC) at approximately 1229 hours to file a report (NRC Report No. 977719) concerning a thick and dull sheen on Bayou Blanc adjacent to 20 Bayou Oaks Drive, Crowley, Acadia Parish, Louisiana. The report was investigated by the Louisiana Department of Environmental Quality (LDEQ) who identified the source as an aboveground storage tank (AST) located east of SRM along a railroad spur. LDEQ determined that SRM employees had damaged the tank causing the release of the material; therefore, the LDEQ named SRM as the potentially responsible party (PRP). SRM initially would not take responsibility for the spill; therefore, LDEQ requested assistance from the EPA and submitted a second report to the NRC (NRC Report No. 977725). The EPA Region 6 Prevention and Response Branch (PRB) activated the EPA Region 6 Superfund Technical Assessment and Response Team (START-3) contractor, Weston Solutions, Inc. (WESTON®), to mobilize to the incident and conduct a Tier 1 Response. After conferring with the LDEQ and the EPA, the PRP began a cleanup on 29 May 2011 using the contractor Triad Response Group (Triad) with United States Environmental Services (USES) as a subcontractor. At 1800 hours on 01 June 2011 the PRP indicated that they could not continue the cleanup and EPA On-scene Coordinator (OSC) Greg Fife activated the Emergency and Rapid Response Services (ERRS) contractor, Environmental Quality Management (EQM), for an Emergency Response cleanup. EQM used Triad and USES as subcontractors so there was no break in the cleanup efforts.

The emergency response actions took place on 29 May and 01 June 2011 under PRP direction and from 01 June to 16 June 2011 under EPA direction. The EPA OSC tasked START-3 to collect samples and report response actions via written and photographic documentation.

EPA conducted the remainder of the cleanup including removal of oil, oil-contaminated debris, and oil-contaminated soil.

During the above-mentioned response actions, the following wastes were removed from the site:

- 25,972.3 gallons of water and oil from the Bayou Blanc and tank decontamination
- 45 cubic yards of oil-contaminated soil
- 120 cubic yards of oil-contaminated debris
- 105 cubic yards of oil-contaminated absorbent materials

This final report was prepared by Weston Solutions, Inc. under Contract No. EP-W-06-042 and TDD TO-0002-11-05-02 for EPA Region 6. The EPA OSC responsible for completion of site activities was Greg Fife, and the START-3 Project Team Leader (PTL) was Thomas Walzer.



The EPA Task Monitor did not provide final approval of this report prior to the completion date of the work assignment. Therefore, Weston Solutions, Inc. has submitted this report absent the Task Monitor's approval.



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TABLE OF CONTENTS

1. PROJECT IDENTIFICATION.....	1
2. INTRODUCTION.....	1
3. SITE BACKGROUND.....	2
3.1 SITE LOCATION AND DESCRIPTION	2
4. ACTIONS TAKEN	3
4.1 MOBILIZATION AND RESPONSE ACTIVITIES.....	3
4.2 INCIDENT CLEANUP ACTIVITIES	4
4.2.1 Sampling and Data Evaluation	5
4.2.1.1 Source Sampling.....	5
4.2.1.2 Downstream Sampling	5
4.2.1.3 Data Management.....	5
4.2.2 Demobilization	6
5. WASTE DISPOSAL AND TREATMENT.....	6
6. LIST OF ATTACHMENTS.....	6

1. PROJECT IDENTIFICATION

Date: 15 September 2011

To: Greg Fife, On-scene Coordinator (OSC)
U.S. Environmental Protection Agency (EPA)
Region 6, Prevention and Response Branch

Through: Linda Carter, Project Officer (PO)
EPA Region 6, Program Management Branch

Through: Robert Beck, VP, P.E., Weston Solutions, Inc. (WESTON®)
EPA Region 6, Superfund Technical Assessment and Response Team (START-3)
Program Manager

From: Thomas Walzer, WESTON
EPA Region 6, START-3 Project Team Leader

Subject: Emergency Response: Southwest Rice Mill
1504 W. Mill Street, Crowley, Acadia Parish, Louisiana
Contract No. EP-W-06-042
TDD No. TO-0002-11-05-02
W.O. No. 20406.012.002.0639.01
NRC Nos. 977719 and 977725
FPN: N/A
CERCLIS No.: N/A
Latitude 30.20266° North
Longitude 92.38362° West

Geographic coordinates of the incident location were determined by START-3 members using geographic information system (GIS) software based on the World Geodetic System – 1984 (WGS-84) .

2. INTRODUCTION

The EPA Region 6 Prevention and Response Branch (PRB) activated the EPA Region 6 Superfund Technical Assessment and Response Team (START-3) contractor to respond to a release from Southwest Rice Mill (SRM) on 29 May 2011. The report from the National Response Center (NRC Report No. 977719) indicated that a private citizen had reported a thick and dull sheen on Bayou Blanc from an unknown source. Based on that NRC report, the Louisiana Department on Environmental Quality (LDEQ) investigated and submitted an additional report to the NRC (NRC Report No. 977725) that identified SRM as the Potentially

Responsible Party (PRP). The LDEQ reported that the source was an aboveground storage tank (AST) adjacent to the track on a railroad spur right-of-way. The LDEQ reported that a worker for SRM had damaged the tank and allowed an oily gummy discharge to flow 0.3 miles south into a ditch that drained into Bayou Blanc. Bayou Blanc flows west to Bayou Plaquemine; Bayou Plaquemine combines with Bayou Des Cannes and becomes the Mermentau River and Lake Arthur.

The LDEQ requested assistance from the EPA because the owner of SRM was not taking responsibility for the cleanup. Following activation, EPA OSC Greg Fife and START-3 Jeff Wright and Keith Delhomme mobilized to the property on 29 May 2011. Following EPA OSC Fife's arrival, and after conferring with the EPA and the LDEQ, the PRP took responsibility for the cleanup and contracted Triad Emergency Response (Triad) and United States Environmental Services (USES). At 1800 hours on 01 June 2011, the PRP communicated to EPA OSC Fife that SRM would no longer be able to continue clean-up activities. Based on this communication, EPA OSC Fife federalized the cleanup; activated the Emergency and Rapid Response Services (ERRS) contractor, Environmental Quality Management (EQM); and initiated an Emergency Response Removal Action to cleanup the site, impacted ditch, and sections of Bayou Blanc. The objectives of the EPA emergency response were to eliminate the imminent threat and substantial endangerment to public health or welfare, or to the environment. A Site Location Map and Site Area Map are included as Attachments A and B, respectively.

3. SITE BACKGROUND

This section contains information regarding the site location and description. A Site Map identifying the location of the source AST and the locations of oil collection and recovery areas with the locations of the farthest up and downstream absorbent and hard booms is included as Attachment C.

3.1 SITE LOCATION AND DESCRIPTION

SRM is located at 1504 W Mill Street in Crowley, Acadia Parish, Louisiana. The SRM property is an active rice mill and warehousing facility. The AST appears to have been located adjacent to the railroad spur that services SRM, and the AST is reported to be from a former fertilizer

formulator that occupied the property east of SRM. The fertilizer formulator burned down in the 1980s and only a concrete pad and foundations remain. The AST is a vertical cylinder aboveground storage tank approximately 12 feet in diameter and 21 feet tall with a capacity of 16,793 gallons (approximately 400 barrels). Stained soil and stained tank walls observed by START-3 indicated that leaks had occurred prior to the 29 May 2011 valve damage and spill. LDEQ determined that the AST was damaged when an employee from SRM broke a valve off the bottom of the tank while improving a drainage ditch on the south side of the tank. The oily discharge flowed east to a ditch that ran south to Bayou Blanc.

4. ACTIONS TAKEN

The actions taken by the PRP and EPA to mitigate the hazards resulting from the discharge are discussed within this section. Initially, the PRP began clean-up and removal activities by establishing collection points in Bayou Blanc (Attachment C). After 1800 hours on 01 June 2011, EPA took the lead on conducting the emergency removal action under the direction of OSC Fife. START-3 was tasked to collect samples and document cleanup activities via photographs (Attachment F) and a site logbook (Attachment G). EPA tasked ERRS with clean-up activities involving recovery of oil and disposal/recycling of the oil and contaminated water, vegetation, and soil.

4.1 MOBILIZATION AND RESPONSE ACTIVITIES

On 29 May 2011, EPA OSC Fife mobilized to the SRM site. By 1615 hours on 29 May 2011, SRM's contractor, Triad, had arrived on-site, and by 1915 hours Triad had deployed boom upstream and downstream of the visible oil sheen in Bayou Blanc. Site observations by EPA and START-3 included the following:

- The oil discharge flowed south via an unnamed ditch to Bayou Blanc. When the oil discharge reached Bayou Blanc, it spread upstream and downstream due to the bayou's low-flow rate. Bayou Blanc is a perennial stream used for agricultural irrigation for rice fields and crawfish farms.
- The upstream portion of Bayou Blanc flows adjacent to residential properties.
- The downstream portion of Bayou Blanc flows through undeveloped land, but eventually crosses into an area of agricultural development. Bayou Blanc is used for agricultural irrigation utilizing pumps to transfer the water to the fields.

The PRP stated that SRM was not responsible for the cleanup of oil as neither the oil nor the AST were SRM assets. At 1800 hours on 01 June 2011, SRM discontinued cleanup operations.

Based on these observations, EPA activated ERRS and initiated an Emergency Response Removal Action to clean up the spill impacting Bayou Blanc.

4.2 INCIDENT CLEANUP ACTIVITIES

Initial emergency response actions that took place at the SRM site between 29 May and 01 June 2011 were conducted by the PRP, and the EPA-led cleanup took place from 01 June (1800 hours) to 16 June 2011. Site access and access to the bayou was obtained verbally from the property owners. The cleanup of the spill involved the following actions:

- Coordination with farmers so irrigation pumping from Bayou Blanc did not cause an increase in flow in the bayou allowing oil to be drawn to the pumps and pumped onto fields.
- Recovery of free oil from Bayou Blanc using skimmers and vacuum trucks. The recovered oil and water was staged in a frac tank prior to shipment off site.
- Coordination with LDEQ to concur with clean-up efforts.
- Placement of booms to collect oil for recovery with skimmers. Oil and water recovered by the skimmers were staged in a frac tank prior to removal from the site.
- Removal of impacted vegetation from the bayou to promote oil flow to collection points. Impacted vegetation was placed into roll-off boxes for removal from the site.
- Washing of the banks of Bayou Blanc to move oil to the collection points.
- Using absorbent pads and loose absorbent to bind oil too thin to be collected with skimmers. Used absorbent material was placed into roll-off boxes prior to removal from the site.
- Cleaning and removal of the source AST to stop the 15 inches of sludge in the bottom of the tank from leaking out of the broken valve. After cleaning, the source AST was removed from the property.
- Removal of 45 cubic yards of oil-contaminated soil from the AST area impacted by the 29 May 2011 spill. This removed soil contained free oil that could flow downstream during rain events and impact Bayou Blanc. Stained soil was placed into roll-off boxes prior to removal from the site.
- Collection of a sample of the oil near the source to fingerprint the spill material; collection of three downstream water samples to compare to the source material. In addition, a field quality control (QC) sample was collected.

- Transport of bayou water, in vacuum trucks, to flush free oil from the ditch that extends from the source AST to a collection point in Bayou Blanc. The flush water was discharged into the ditch at two locations: immediately south of the source AST and on the south side of W. Mill Street.

4.2.1 Sampling and Data Evaluation

START-3 conducted sampling to assess the spilled material for hazardous contaminants and to document that oil collected downstream was site related. Sample results are summarized and the laboratory data packages are included as Attachments D and E, respectively. The sampling activities are described in more detail in the following subsections. The Quality Assurance Sampling Plan (QASP) prepared for this emergency response site is presented in Attachment H.

4.2.1.1 Source Sampling

On 31 May 2011, START-3 collected one source sample from oil in the north/south ditch adjacent to the AST. START-3 submitted the sample to Accutest Laboratory (Accutest) located in Scott, Louisiana for analysis. Accutest analyzed the samples for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), organophosphorus pesticides, polychlorinated biphenyls (PCBs), chlorinated herbicides, reactive sulfide and cyanide, total cyanide, total metals, and Resource Conservation and Recovery Act (RCRA) Characteristics. The analytical results were loaded into a SCRIBE database. Analytical results are provided in Table 1 located in Attachment D. Analytical data packages are included as Attachment E.

4.2.1.2 Downstream Sampling

On 02 June 2011, START-3 collected three downstream water samples and one field QC, from the ditch downstream of W. Mill Street, Collection Point 1 (upstream) and Collection Point 4 (downstream). The samples were submitted to Accutest Laboratory and analyzed for VOCs, SVOCs, PCBs, and Total Metals. The analytical results were loaded into a SCRIBE database. Analytical results are provided in Table 2 located in Attachment D. Analytical data packages are included as Attachment E.

4.2.1.3 Data Management

START-3 conducted data management of site activities in SCRIBE, Response Manager, and the EPA OSC website. START-3 updated the site website, www.epaosc.org/SWRiceMill regularly with new site photos, pollution reports, and documentation of the emergency response efforts.

THIS DOCUMENT WAS PREPARED BY WESTON SOLUTIONS, INC. EXPRESSLY FOR EPA. IT SHALL NOT BE RELEASED OR DISCLOSED IN WHOLE OR IN PART WITHOUT THE EXPRESS, WRITTEN PERMISSION OF EPA.

Digital photographs and START-3 logbooks documenting site activities are included in Attachments F and G, respectively. The Pollution Reports (POLREPs) generated during the response are included as Attachment I.

4.2.2 Demobilization

On 10 June 2011, the emergency response phase was considered over and the maintenance phase was initiated. From 11 to 16 June 2011 ERRS equipment was decontaminated and removed from the site, and personnel were demobilized. On 16 June 2011 at 1300 hours START-3 demobilized from the site. On 17 June 2011 the final four rolloff boxes were transported from the site and the last ERRS personnel demobilized.

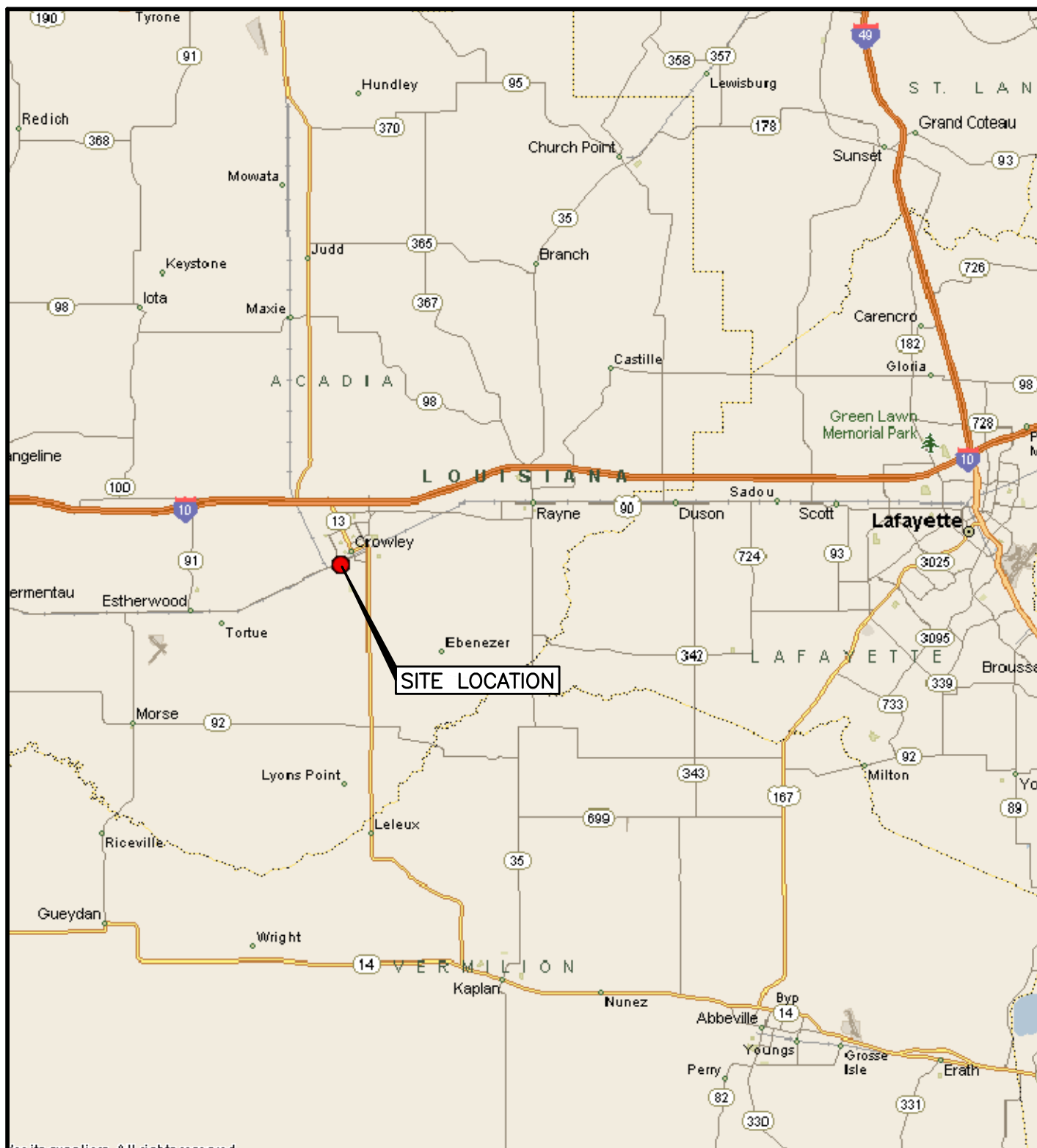
5. WASTE DISPOSAL AND TREATMENT

Approximately 25,973 gallons of mixed oil and water were transported from the SRM site and disposed at Bodin Oil Recovery, Inc., Abbeville, Louisiana. LA Filter Recycling, L.L.C. received a total of 270 cubic yards of solid materials from the SRM site for oil recovery. The solid materials included approximately 120 cubic yards of oil-contaminated debris, 105 cubic yards of oil-contaminated absorbent materials (pads, booms, loose), and 45 cubic yards of oil-contaminated soil. Waste manifests are presented in Attachment J.

6. LIST OF ATTACHMENTS

- A. Site Location Map
- B. Site Area Map
- C. Site Map
- D. Analytical Results Tables
- E. Analytical Data Packages
- F. Digital Photographs
- G. START-3 Site Logbooks
- H. Quality Assurance Sampling Plan (QASP)
- I. Pollution Reports (POLREPs)
- J. Waste Manifests
- K. NRC Report Nos. 977719 and 977725
- L. TDD No. TO-0002-11-05-02

ATTACHMENT A
SITE LOCATION MAP



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US EPA REGION 6 START-3

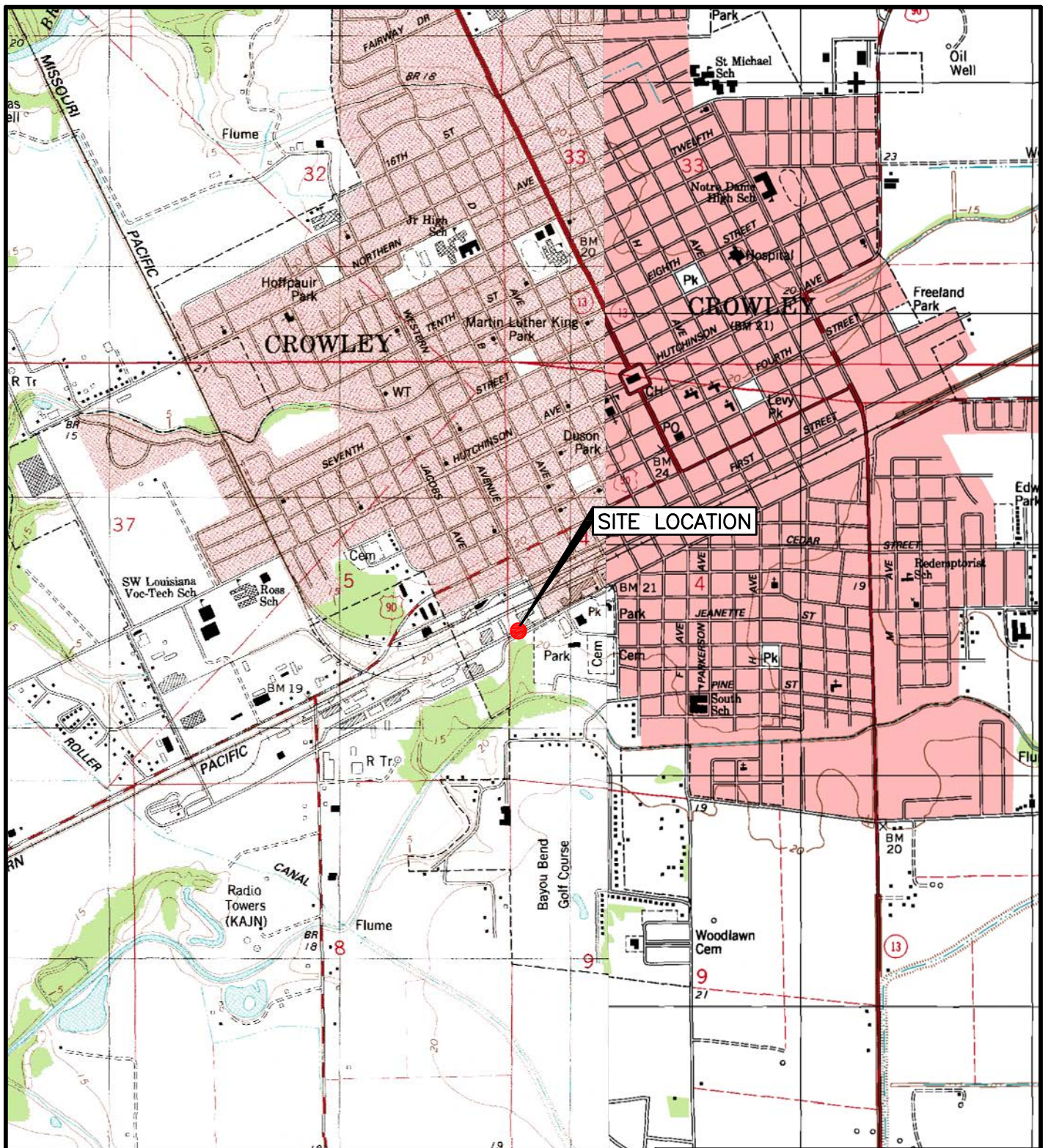
ATTACHMENT A
SITE LOCATION MAP
SOUTHWEST RICE MILL
1504 W. MILL STREET
CROWLEY, ACADIA PARISH, LOUISIANA

SOURCE: MICROSOFT STREETS 2009.
NRC: 977719, 977725
FPN: E11629
TDD No.: TO-0002-11-05-02

DATE: JUN 2011	W.O. # 20406.012.002.0639.01	SCALE: NOT TO SCALE
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ATTACHMENT B

SITE AREA MAP



SOURCE: USGS 7.5 MINUTE SERIES
TOPOGRAPHIC, CROWLEY EAST (1998) AND
CROWLEY WEST (1987), LOUISIANA.
NRC: 977719, 977725
FPN: E11629
TDD No.: TO-0002-11-05-02

0 1000 2000
SCALE IN FEET



US EPA REGION 6
START-3

ATTACHMENT B
SITE AREA MAP
SOUTHWEST RICE MILL
1504 W. MILL STREET
CROWLEY, ACADIA PARISH, LOUISIANA

DATE:
JUN 2011

W.O. #
20406.012.002.0639.01

SCALE:
AS SHOWN

ATTACHMENT C

SITE MAP



LEGEND:

- OIL IMPACTED DRAINAGE
- DRAINAGE DITCH
- BAYOU BLANC
- ➔ NORMAL FLOW DIRECTION



0 450 900
SCALE IN FEET



**US EPA REGION 6
START-3**

**ATTACHMENT C
SITE MAP**

**SOUTHWEST RICE MILL
1504 W. MILL STREET
CROWLEY, ACADIA PARISH, LOUISIANA**

DATE:
JUN 2011

W.O. #
20406.012.002.0639.01

SCALE:
AS SHOWN

SOURCE: GOOGLE EARTH PRO 2011.
NRC: 977719, 977725
FPN: E11629
TDD No.: TO-0002-11-05-02

ATTACHMENT D

ANALYTICAL RESULTS TABLES

Data Qualifiers

Data Qualifier Definitions were supplied by the Office of Solid Waste and Emergency Response (September 1989) and are included in the Functional Guidelines. Data qualifiers may be combined (UJ, QJ) with the corresponding combination of meanings. An additional qualifier may be added to provide additional, more specific information (JL, UB, QJK), modifying the meaning of the primary qualifier. Additional qualifiers utilized by WESTON are H, L, K, B, Q, and D.

- U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation or detection limit, which has been adjusted for sample weight/sample volume, extraction volume, percent solids, sample dilution or other analysis specific parameters.

An additional qualifier, "B", may be appended to indicate that while the compound was detected in the sample, the presence of the compound may be attributable to blank contamination and the compound is therefore considered undetected with the sample detection or quantitation limit for the compound being elevated.

- J - The compound was analyzed for, but the associated numerical value may not be consistent with the amount actually present in the environmental sample or may not be consistent with the sample detection or quantitation limit. The value is an estimated quantity. The data should be seriously considered for decision-making and are usable for many purposes.

An additional qualifier will be appended to the "J" qualifier that indicates the bias in the reported results:

L Low bias

H High bias

K Unknown bias

Q The reported concentration is less than the sample quantitation limit for the specific compound in the sample.

The L and H qualifier will only be employed when a single qualification is required. When more than one quality control parameter affects the analytical result and a conflict results in assigning a bias, the result will be flagged JK.

- R - Quality Control indicates that data are unusable for all purposes. The compound was analyzed for, but the presence or absence of the compound has not been verified. Resampling and reanalysis are necessary for verification to confirm or deny the presence of a compound.
- N - The analysis indicates the presence of compound for which there is presumptive evidence to make a "tentative identification."
- D - The concentration reported was determined in the re-analysis of the sample at a secondary dilution.

Table 1
Oil Analytical Results Summary
Southwest Rice Mill
Crowley, Acadia Parish, Louisiana

Analyte	Units	Location Sample ID Date Sample Type	SRM-OW-SL01 SRM-OW-SL01-110531 05/31/2011 Field Sample
Herbicides			
2,4,5-T	mg/kg	--	0.00000058 U
2,4,5-TP (Silvex)	mg/kg	--	0.0000003 U
2,4-D	mg/kg	--	0.0000036 U
2,4-DB	mg/kg	--	0.0000052 U
Dalapon	mg/kg	--	0.000011 U
Dicamba	mg/kg	--	0.00000056 U
Dichloroprop	mg/kg	--	0.0000043 U
Dinoseb	mg/kg	--	0.0000035 U
MCPA	mg/kg	--	0.00044 U
Mecoprop	mg/kg	--	0.00056 U
Metals			
ALUMINUM	mg/kg	--	0.0067 v
ANTIMONY	mg/kg	--	0.000307 U
Arsenic	mg/kg	--	0.000441 U
BARIUM	mg/kg	--	0.0105 v
BERYLLIUM	mg/kg	--	0.0000236 UB
Cadmium	mg/kg	--	0.000031 U
Calcium	mg/kg	--	0.0363 v
Chromium	mg/kg	--	0.00124 v
COBALT	mg/kg	--	0.0987 JQ
Copper	mg/kg	--	0.166 JQ
IRON	mg/kg	--	0.332 v
Lead	mg/kg	--	0.0479 v
Magnesium	mg/kg	--	0.00264 U
MANGANESE	mg/kg	--	0.000497 v
Mercury	mg/kg	--	0.0127 U
NICKEL	mg/kg	--	0.000885 v
Potassium	mg/kg	--	0.132 v
SELENIUM	mg/kg	--	0.000338 U
SILVER	mg/kg	--	0.0000693 U
Sodium	mg/kg	--	9.26 JQ
THALLIUM	mg/kg	--	0.000155 U
VANADIUM	mg/kg	--	0.65 JQ
Zinc	mg/kg	--	0.00163 v
OP Pesticides			
Bolstar	mg/kg	--	5 U
Chlorpyrifos	mg/kg	--	5 U
Coumaphos	mg/kg	--	5 U
Demeton	mg/kg	--	10 U
Diazinon	mg/kg	--	5 U



Table 1
Oil Analytical Results Summary
Southwest Rice Mill
Crowley, Acadia Parish, Louisiana

Analyte	Units	Location Sample ID Date Sample Type	SRM-OW-SL01 SRM-OW-SL01-110531 05/31/2011 Field Sample
Dichlorvos	mg/kg	--	5 U
Dimethoate	mg/kg	--	5 U
Disulfoton	mg/kg	--	5 U
EPN	mg/kg	--	5 U
Ethoprop	mg/kg	--	5 U
Ethyl Parathion	mg/kg	--	5 U
Fensulfothion	mg/kg	--	5 U
Fenthion	mg/kg	--	5 U
Malathion	mg/kg	--	5 U
Merphos	mg/kg	--	5 UJK
Methyl Azinphos (Guthion)	mg/kg	--	5 U
Methyl Parathion	mg/kg	--	5 U
Mevinphos	mg/kg	--	5 U
Monocrotophos	mg/kg	--	20 U
Naled	mg/kg	--	20 UJK
Phorate	mg/kg	--	5 U
Ronnel	mg/kg	--	5 U
Stirophos	mg/kg	--	5 U
Sulfotep	mg/kg	--	5 U
TEPP	mg/kg	--	20 U
Tokuthion	mg/kg	--	5 U
Trichloronate	mg/kg	--	5 U
PCBs			
Aroclor 1016	mg/kg	--	1 U
Aroclor 1221	mg/kg	--	1 U
Aroclor 1232	mg/kg	--	1 U
Aroclor 1242	mg/kg	--	1 U
Aroclor 1248	mg/kg	--	1 U
Aroclor 1254	mg/kg	--	1 U
Aroclor 1260	mg/kg	--	1 U
Pesticides			
4,4'-DDD	mg/kg	--	0.000011 UJK
4,4'-DDE	mg/kg	--	0.000011 UJK
4,4'-DDT	mg/kg	--	0.000012 UJK
Aldrin	mg/kg	--	0.0000042 UJK
alpha-BHC	mg/kg	--	0.0000046 U
Alpha-Chlordane	mg/kg	--	0.00041 JK
beta-BHC	mg/kg	--	0.0000066 U
BHC, gamma- (Lindane)	mg/kg	--	0.0000077 U
Chlordane, technical	mg/kg	--	0.000079 U
delta-BHC	mg/kg	--	0.00086 v



Table 1
Oil Analytical Results Summary
Southwest Rice Mill
Crowley, Acadia Parish, Louisiana

Analyte	Units	Location Sample ID Date Sample Type	SRM-OW-SL01 SRM-OW-SL01-110531 05/31/2011 Field Sample
Dieldrin	mg/kg	--	0.0000038 UJK
Endosulfan I	mg/kg	--	0.0000078 UJK
Endosulfan II	mg/kg	--	0.000011 UJK
Endosulfan sulfate	mg/kg	--	0.0028 JK
Endrin	mg/kg	--	0.0000082 U
Endrin Aldehyde	mg/kg	--	0.0000078 UJK
Endrin ketone	mg/kg	--	0.0000064 UJK
Gamma-Chlordane {Chlordane, cis-}	mg/kg	--	0.000012 UJK
Heptachlor	mg/kg	--	0.0000073 U
Heptachlor epoxide	mg/kg	--	0.000012 UJK
Methoxychlor	mg/kg	--	0.0000071 UJK
Toxaphene	mg/kg	--	0.00085 U
RCI			
Cyanide Reactive	mg/kg	--	0 U
Ignitability	Deg F	--	0 U
pH	Std Units	--	8.420000076 v
Sulfide Reactive	mg/L	--	8.5 U
SVOCs			
1,1-Biphenyl	mg/kg	--	170 JQ
1,2,4,5-Tetrachlorobenzene	mg/kg	--	0.00042 U
1,2,4-Trichlorobenzene	mg/kg	--	0.0002 U
1,3-Dinitrobenzene	mg/kg	--	0.00046 UJL
2,3,4,6-Tetrachlorophenol	mg/kg	--	0.00047 U
2,4,5-Trichlorophenol	mg/kg	--	0.00013 U
2,4,6-Trichlorophenol	mg/kg	--	0.00017 U
2,4-Dichlorophenol	mg/kg	--	0.00018 U
2,4-Dimethylphenol	mg/kg	--	0.0002 U
2,4-Dinitrophenol	mg/kg	--	0.00079 U
2,4-Dinitrotoluene	mg/kg	--	0.00019 U
2,6-Dinitrotoluene	mg/kg	--	0.00019 U
2-Chloronaphthalene	mg/kg	--	0.00018 U
2-Chlorophenol	mg/kg	--	0.0002 U
2-Methylnaphthalene	mg/kg	--	2 v
2-Nitroaniline	mg/kg	--	0.00016 U
3,3'-Dichlorobenzidine	mg/kg	--	0.000075 U
3-Nitroaniline	mg/kg	--	0.00056 U
4-Chloroaniline	mg/kg	--	0.000085 U
4-Nitroaniline	mg/kg	--	0.000094 U
4-Nitrophenol	mg/kg	--	0.00022 UJK
Acenaphthene	mg/kg	--	0.00018 U
Acenaphthylene	mg/kg	--	0.00001 U



Table 1
Oil Analytical Results Summary
Southwest Rice Mill
Crowley, Acadia Parish, Louisiana

Analyte	Units	Location Sample ID Date Sample Type	SRM-OW-SL01 SRM-OW-SL01-110531 05/31/2011 Field Sample
Aniline	mg/kg	--	0.00012 U
Anthracene	mg/kg	--	70 JQ
Benz(a)anthracene	mg/kg	--	0.000032 U
Benzo(a)pyrene	mg/kg	--	0.000036 U
Benzo(b)fluoranthene	mg/kg	--	0.000026 U
Benzo(k)fluoranthene	mg/kg	--	0.000047 U
bis(2-Chloroethyl)ether	mg/kg	--	0.00018 U
Bis(2-chloroisopropyl)ether	mg/kg	--	0.00019 U
Bis(2-ethylhexyl)phthalate	mg/kg	--	0.00019 U
Butylbenzylphthalate	mg/kg	--	0.00017 U
Chrysene	mg/kg	--	0.000018 U
Dibenz(a,h)anthracene	mg/kg	--	0.0002 U
Dibenzofuran	mg/kg	--	0.00018 U
Diethylphthalate	mg/kg	--	0.00019 U
Dimethylphthalate	mg/kg	--	0.00017 U
Di-n-octylphthalate	mg/kg	--	0.00019 U
Fluoranthene	mg/kg	--	0.00018 U
Fluorene	mg/kg	--	99 JQ
Hexachlorobenzene	mg/kg	--	0.00017 U
Hexachlorobutadiene	mg/kg	--	0.00021 U
Hexachlorocyclopentadiene	mg/kg	--	0.00014 U
Indeno(1,2,3-cd)pyrene	mg/kg	--	0.00022 U
Isophorone	mg/kg	--	0.0002 U
Naphthalene	mg/kg	--	0.57 v
Nitrobenzene	mg/kg	--	0.00019 U
N-nitroso-di-n-propylamine	mg/kg	--	0.00018 U
N-Nitrosodiphenylamine	mg/kg	--	0.00017 U
Pentachlorophenol	mg/kg	--	0.00011 U
Phenanthrene	mg/kg	--	0.4 v
Phenol	mg/kg	--	0.00022 U
Pyrene	mg/kg	--	91 JQ
Total Cyanide			
Cyanide	mg/kg	--	0.033 v
VOCs			
1,1,1,2-Tetrachloroethane	mg/kg	--	0.0017 U
1,1,1-Trichloroethane	mg/kg	--	0.0025 U
1,1,2,2-Tetrachloroethane	mg/kg	--	0.0028 U
1,1,2-Trichloroethane	mg/kg	--	0.0025 U
1,1-Dichloroethane	mg/kg	--	0.0018 U
1,1-Dichloroethene	mg/kg	--	0.002 U
1,2-Dibromo-3-chloropropane	mg/kg	--	0.0052 U



Table 1
Oil Analytical Results Summary
Southwest Rice Mill
Crowley, Acadia Parish, Louisiana

Analyte	Units	Location Sample ID Date Sample Type	SRM-OW-SL01 SRM-OW-SL01-110531 05/31/2011 Field Sample
1,2-Dichlorobenzene	mg/kg	--	11 JQ
1,2-Dichloroethane	mg/kg	--	0.0017 U
1,2-Dichloroethene (total)	mg/kg	--	0.0016 U
1,2-Dichloropropane	mg/kg	--	0.0021 U
1,3-Dichlorobenzene	mg/kg	--	0.007 U
1,3-Dichloropropene, Total	mg/kg	--	0.002 U
1,4-Dichlorobenzene	mg/kg	--	3.3 JQ
2-Butanone	mg/kg	--	0.016 R
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	mg/kg	--	0.0077 U
Acetone	mg/kg	--	0.023 R
Benzene	mg/kg	--	14 JQ
Bromodichloromethane	mg/kg	--	0.0031 U
Bromoform	mg/kg	--	0.0017 U
Bromomethane	mg/kg	--	0.0047 U
Carbon disulfide	mg/kg	--	0.008 U
Carbon Tetrachloride	mg/kg	--	0.0019 U
Chlorobenzene	mg/kg	--	0.0024 U
Chloroethane	mg/kg	--	0.0076 U
Chloroform	mg/kg	--	0.0027 U
Chloromethane	mg/kg	--	0.007 U
cis-1,2-Dichloroethylene	mg/kg	--	0.0016 U
cis-1,3-Dichloropropene	mg/kg	--	0.002 U
Dibromochloromethane	mg/kg	--	0.002 U
Ethylbenzene	mg/kg	--	23 JQ
Hexachloroethane	mg/kg	--	0.0062 U
Isobutyl alcohol	mg/kg	--	0.05 R
m,p-Xylene	mg/kg	--	7.1 JQ
Methyl tert-butyl ether	mg/kg	--	0.0026 U
Methylene Chloride	mg/kg	--	9.9 JQ
o-Xylene	mg/kg	--	13 JQ
Styrene	mg/kg	--	0.061 m
Tetrachloroethylene	mg/kg	--	0.0044 U
Toluene	mg/kg	--	29 JQ
trans-1,2-Dichloroethene	mg/kg	--	0.0028 U
trans-1,3-Dichloropropene	mg/kg	--	0.0027 U
Trichloroethene	mg/kg	--	0.0026 U
Trichlorofluoromethane	mg/kg	--	0.0017 U
Vinyl Chloride	mg/kg	--	0.002 U
Xylenes, Total	mg/kg	--	20.1 JQ



Table 2
Water Analytical Results Summary
Southwest Rice Mill
Crowley, Acadia Parish, Louisiana

Analyte	Units	Location Sample ID Date Sample Type	SRM-OW-BB01 SRM-OW-BB01-060211 06/02/2011 Field Sample	SRM-OW-BB02 SRM-FB-060211 06/02/2011 Field Blank	SRM-OW-BB02 SRM-OW-BB02-060211 06/02/2011 Field Sample	SRM-OW-UC01 SRM-OW-UC01-060211 06/02/2011 Field Sample
Metals						
ALUMINUM	mg/L	--	0.00531 v	0.0000145 U	0.00767 v	0.000316 v
ANTIMONY	mg/L	--	0.00131 JQ	0.000000554 U	0.00257 JQ	0.000562 JQ
Arsenic	mg/L	--	0.000017 v	0.00163 JQ	0.00000133 UB	0.00000133 UB
BARIUM	mg/L	--	0.00187 v	0.00000892 v	0.00256 v	0.0000613 v
BERYLLIUM	mg/L	--	0.000642 JQ	0.00000027 U	0.000741 JQ	0.00000027 U
Cadmium	mg/L	--	0.0000000528 UB	0.0000000528 UB	0.0000000528 UB	0.0000000528 UB
Calcium	mg/L	--	0.000027 UB	0.0276 v	0.000027 UB	0.000027 UB
Chromium	mg/L	--	0.0000228 v	0.000000398 U	0.0000737 v	0.000608 JQ
COBALT	mg/L	--	0.0000122 v	0.000000326 U	0.0000156 v	0.000000326 U
Copper	mg/L	--	0.0000311 v	0.000000711 U	0.0000494 v	0.00000227 v
IRON	mg/L	--	0.0165 v	0.0000238 U	0.034 v	0.000341 v
Lead	mg/L	--	0.000845 v	0.00000028 U	0.00407 v	0.000027 v
Magnesium	mg/L	--	0.00000569 UB	0.00982 v	0.00000569 UB	0.00000569 UB
MANGANESE	mg/L	--	0.00257 v	0.000879 JQ	0.00115 v	0.00016 v
Mercury	mg/L	--	0.00006 UJL	0.00006 U	0.00006 UJL	0.00006 UJL
NICKEL	mg/L	--	0.0000402 v	0.000000477 UB	0.0000566 v	0.000000477 UB
Potassium	mg/L	--	0.0102 v	0.000841 v	0.0122 v	0.0194 v
SELENIUM	mg/L	--	0.00142 JQ	0.000000582 U	0.00394 JQ	0.000000582 U
SILVER	mg/L	--	0.00000011 U	0.00000011 U	0.00000011 U	0.00000011 U
Sodium	mg/L	--	0.0986 v	0.01 v	0.122 v	0.15 v
THALLIUM	mg/L	--	0.00000025 U	0.00000025 U	0.00000025 U	0.00000025 U
VANADIUM	mg/L	--	0.00003 v	0.00159 JQ	0.0000578 v	0.000000953 UB
Zinc	mg/L	--	0.000461 v	0.00000122 UB	0.000614 v	0.000022 v
PCBs						
Aroclor 1016	mg/L	--	0.0000031 U	0.00000031 U	0.000012 U	0.00000031 U
Aroclor 1221	mg/L	--	0.0000045 U	0.00000045 U	0.000018 U	0.00000045 U
Aroclor 1232	mg/L	--	0.0000046 U	0.00000046 U	0.000018 U	0.00000046 U
Aroclor 1242	mg/L	--	0.0000044 U	0.00000044 U	0.000018 U	0.00000044 U
Aroclor 1248	mg/L	--	0.0000047 U	0.00000047 U	0.000019 U	0.00000047 U
Aroclor 1254	mg/L	--	0.0000042 U	0.00000042 U	0.000017 U	0.00000042 U



Table 2
Water Analytical Results Summary
Southwest Rice Mill
Crowley, Acadia Parish, Louisiana

Analyte	Units	Location Sample ID Date Sample Type	SRM-OW-BB01 SRM-OW-BB01-060211 06/02/2011 Field Sample	SRM-OW-BB02 SRM-FB-060211 06/02/2011 Field Blank	SRM-OW-BB02 SRM-OW-BB02-060211 06/02/2011 Field Sample	SRM-OW-UC01 SRM-OW-UC01-060211 06/02/2011 Field Sample
Aroclor 1260	mg/L	--	0.0000036 UJK	0.00000036 UJK	0.000014 UJK	0.00000036 UJK
SVOCs						
1,1-Biphenyl	mg/L	--	0.000042 U	0.000000042 U	3.4 JQ	0.12 JQ
1,2,4,5-Tetrachlorobenzene	mg/L	--	0.00013 U	0.00000013 U	0.00057 U	0.0000063 U
1,2,4-Trichlorobenzene	mg/L	--	0.000033 U	0.000000033 U	0.00015 U	0.0000017 U
1,3-Dinitrobenzene	mg/L	--	0.000046 U	0.000000046 U	0.00021 U	0.0000023 U
2,3,4,6-Tetrachlorophenol	mg/L	--	0.000044 U	0.000000045 U	0.0002 U	0.0000022 U
2,4,5-Trichlorophenol	mg/L	--	0.000088 U	0.000000088 U	0.0004 U	0.0000044 U
2,4,6-Trichlorophenol	mg/L	--	0.000094 U	0.000000094 U	0.00042 U	0.0000047 U
2,4-Dichlorophenol	mg/L	--	0.000056 U	0.000000056 U	0.00025 U	0.0000028 U
2,4-Dimethylphenol	mg/L	--	0.0001 U	0.0000001 U	0.00047 U	0.0000052 U
2,4-Dinitrophenol	mg/L	--	0.002 U	0.000002 U	0.0091 U	0.0001 U
2,4-Dinitrotoluene	mg/L	--	0.000088 U	0.000000088 U	0.0004 U	0.0000044 U
2,6-Dinitrotoluene	mg/L	--	0.000089 U	0.000000089 U	0.0004 U	0.0000044 U
2-Chloronaphthalene	mg/L	--	0.000047 U	0.000000047 U	0.67 JQ	0.0000023 U
2-Chlorophenol	mg/L	--	0.000051 U	0.000000051 U	0.00023 U	0.0000026 U
2-Methylnaphthalene	mg/L	--	0.00026 m	0.000000048 U	0.021 m	0.00095 m
2-Nitroaniline	mg/L	--	0.00005 U	0.00000005 U	0.00022 U	0.0000025 U
3,3'-Dichlorobenzidine	mg/L	--	0.00016 U	0.00000016 U	0.00071 U	0.0000079 U
3-Nitroaniline	mg/L	--	0.0015 U	0.0000015 U	0.0067 U	0.000074 U
4-Chloroaniline	mg/L	--	0.00005 U	0.00000005 U	0.00023 U	0.0000025 U
4-Nitroaniline	mg/L	--	0.00011 U	0.00000011 U	0.00051 U	0.0000057 U
4-Nitrophenol	mg/L	--	0.00084 U	0.00000084 U	0.0038 U	0.000042 U
Acenaphthene	mg/L	--	0.000069 U	0.000000069 U	0.00031 U	0.0000035 U
Acenaphthylene	mg/L	--	0.000056 U	0.000000056 U	0.00025 U	0.0000028 U
Aniline	mg/L	--	0.00019 U	0.00000019 U	0.00086 U	0.0000095 U
Anthracene	mg/L	--	0.21 JQ	0.000000038 U	1.9 JQ	0.000097 m
Benzo(a)anthracene	mg/L	--	0.000032 U	0.000000032 U	0.00014 U	0.0000016 U
Benzo(a)pyrene	mg/L	--	0.000071 U	0.000000071 U	0.00032 U	0.0000035 U
Benzo(b)fluoranthene	mg/L	--	0.000065 U	0.000000065 U	0.00029 U	0.0000033 U
Benzo(k)fluoranthene	mg/L	--	0.000054 U	0.000000054 U	0.00024 U	0.0000027 U



Table 2
Water Analytical Results Summary
Southwest Rice Mill
Crowley, Acadia Parish, Louisiana

Analyte	Units	Location Sample ID Date Sample Type	SRM-OW-BB01 SRM-OW-BB01-060211 06/02/2011 Field Sample	SRM-OW-BB02 SRM-FB-060211 06/02/2011 Field Blank	SRM-OW-BB02 SRM-OW-BB02-060211 06/02/2011 Field Sample	SRM-OW-UC01 SRM-OW-UC01-060211 06/02/2011 Field Sample
bis(2-Chloroethyl)ether	mg/L	--	0.000077 U	0.00000077 U	0.00035 U	0.0000039 U
Bis(2-chloroisopropyl)ether	mg/L	--	0.0001 U	0.0000001 U	0.00046 U	0.0000051 U
Bis(2-ethylhexyl)phthalate	mg/L	--	0.00091 JQ	0.000000075 U	0.0035 JQ	0.0000037 U
Butylbenzylphthalate	mg/L	--	0.000088 U	0.000000088 U	0.0004 U	0.0000044 U
Chrysene	mg/L	--	0.00005 U	0.00000005 U	0.00022 U	0.0000025 U
Dibenz(a,h)anthracene	mg/L	--	0.000076 U	0.000000076 U	0.00034 U	0.0000038 U
Dibenzofuran	mg/L	--	0.000064 U	0.000000064 U	0.00029 U	0.0000032 U
Diethylphthalate	mg/L	--	0.000076 U	0.00029 JQ	0.00034 U	0.0000038 U
Dimethylphthalate	mg/L	--	0.00006 U	0.00000006 U	0.00027 U	0.000003 U
Di-n-octylphthalate	mg/L	--	0.00006 U	0.00000006 U	0.00027 U	0.000003 U
Fluoranthene	mg/L	--	0.000029 U	0.000000029 U	0.00013 U	0.0000014 U
Fluorene	mg/L	--	0.00006 U	0.00000006 U	0.0034 m	0.0001 m
Hexachlorobenzene	mg/L	--	0.00006 U	0.00000006 U	0.00027 U	0.000003 U
Hexachlorobutadiene	mg/L	--	0.000093 U	0.000000093 U	0.00042 U	0.0000047 U
Hexachlorocyclopentadiene	mg/L	--	0.0014 U	0.0000014 U	0.0065 U	0.000072 U
Indeno(1,2,3-cd)pyrene	mg/L	--	0.000096 U	0.000000096 U	0.00043 U	0.0000048 U
Isophorone	mg/L	--	0.000091 U	0.000000091 U	0.00041 U	0.0000046 U
Naphthalene	mg/L	--	0.000038 U	0.000085 JQ	0.89 JQ	0.000067 m
Nitrobenzene	mg/L	--	0.000093 U	0.000000093 U	0.00042 U	0.0000046 U
N-nitroso-di-n-propylamine	mg/L	--	0.00011 U	0.00000011 U	0.00049 U	0.0000054 U
N-Nitrosodiphenylamine	mg/L	--	0.00004 U	0.00000004 U	0.00018 U	0.000002 U
Pentachlorophenol	mg/L	--	0.00023 U	0.00000023 U	0.001 U	0.000011 U
Phenanthrene	mg/L	--	0.0033 m	0.000000041 U	0.017 m	0.00045 m
Phenol	mg/L	--	0.000061 U	0.000000061 U	0.00027 U	0.000003 U
Pyrene	mg/L	--	0.00078 m	0.000000036 U	0.0038 m	0.000097 m
VOCs						
1,1,1,2-Tetrachloroethane	mg/L	--	0.00000031 U	0.00000031 U	0.0000016 U	0.00000031 U
1,1,1-Trichloroethane	mg/L	--	0.00000028 U	0.00000028 U	0.0000014 U	0.00000028 U
1,1,2,2-Tetrachloroethane	mg/L	--	0.00000029 U	0.00000029 U	0.0000014 U	0.00000029 U
1,1,2-Trichloroethane	mg/L	--	0.00000039 U	0.00000039 U	0.000002 U	0.00000039 U
1,1-Dichloroethane	mg/L	--	0.00000038 U	0.00000038 U	0.0000019 U	0.00000038 U



Table 2
Water Analytical Results Summary
Southwest Rice Mill
Crowley, Acadia Parish, Louisiana

Analyte	Units	Location Sample ID Date Sample Type	SRM-OW-BB01 SRM-OW-BB01-060211 06/02/2011 Field Sample	SRM-OW-BB02 SRM-FB-060211 06/02/2011 Field Blank	SRM-OW-BB02 SRM-OW-BB02-060211 06/02/2011 Field Sample	SRM-OW-UC01 SRM-OW-UC01-060211 06/02/2011 Field Sample
1,1-Dichloroethene	mg/L	--	0.00000037 U	0.00000037 U	0.00000019 U	0.00000037 U
1,2-Dibromo-3-chloropropane	mg/L	--	0.00000048 U	0.00000048 U	0.00000024 U	0.00000048 U
1,2-Dichlorobenzene	mg/L	--	0.00000027 U	0.00000027 U	0.00000013 U	0.00000027 U
1,2-Dichloroethane	mg/L	--	0.00000026 U	0.00000026 U	0.00000013 U	0.00000026 U
1,2-Dichloroethene (total)	mg/L	--	0.00000035 U	0.00000035 U	0.00000017 U	0.00000035 U
1,2-Dichloropropane	mg/L	--	0.00000003 U	0.00000003 U	0.00000015 U	0.00000003 U
1,3-Dichlorobenzene	mg/L	--	0.00000028 U	0.00000028 U	0.00000014 U	0.00000028 U
1,3-Dichloropropene, Total	mg/L	--	0.00000023 U	0.00000023 U	0.00000011 U	0.00000023 U
1,4-Dichlorobenzene	mg/L	--	0.00000024 U	0.00000024 U	0.00000012 U	0.00000024 U
2-Butanone	mg/L	--	0.0021 JQ	0.00000014 U	0.019 JQ	0.0017 JQ
4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	mg/L	--	0.00000082 U	0.00000082 U	0.00000041 U	0.00000082 U
Acetone	mg/L	--	0.00000021 UB	0.0027 JQ	0.000001 UB	0.00000021 UB
Benzene	mg/L	--	0.00035 JQ	0.00000019 U	0.00000096 U	0.00000019 U
Bromodichloromethane	mg/L	--	0.00000023 U	0.00000023 U	0.00000011 U	0.00000023 U
Bromoform	mg/L	--	0.00000035 U	0.00000035 U	0.00000018 U	0.00000035 U
Bromomethane	mg/L	--	0.00000043 UJK	0.00000043 UJK	0.00000022 UJK	0.00000043 UJK
Carbon disulfide	mg/L	--	0.00000029 U	0.00000029 U	0.00000015 U	0.00000029 U
Carbon Tetrachloride	mg/L	--	0.00000049 U	0.00000049 U	0.00000025 U	0.00000049 U
Chlorobenzene	mg/L	--	0.00000023 U	0.00000023 U	0.00000012 U	0.00000023 U
Chloroethane	mg/L	--	0.00000049 UJK	0.00000049 UJK	0.00000024 UJK	0.00000049 UJK
Chloroform	mg/L	--	0.00000027 U	0.00000027 U	0.00000013 U	0.00000027 U
Chloromethane	mg/L	--	0.00000035 U	0.00000035 U	0.00000017 U	0.00000035 U
cis-1,2-Dichloroethylene	mg/L	--	0.00000004 U	0.00000004 U	0.00000002 U	0.00000004 U
cis-1,3-Dichloropropene	mg/L	--	0.00000023 U	0.00000023 U	0.00000011 U	0.00000023 U
Dibromochloromethane	mg/L	--	0.00000003 U	0.00000003 U	0.00000015 U	0.00000003 U
Ethylbenzene	mg/L	--	0.00046 JQ	0.00000033 U	0.00000017 U	0.00000033 U
Hexachloroethane	mg/L	--	0.00000078 U	0.00000078 U	0.00000039 U	0.00000078 U
Isobutyl alcohol	mg/L	--	0.037 JKQ	0.00000094 R	0.23 JKQ	0.053 JKQ
m,p-Xylene	mg/L	--	0.0012 JQ	0.00000041 U	0.0021 JQ	0.00058 JQ
Methyl tert-butyl ether	mg/L	--	0.00000018 U	0.00000018 U	0.00000009 U	0.00000018 U
Methylene Chloride	mg/L	--	0.00000065 U	0.00000065 U	0.00000032 UB	0.00000065 U



Table 2
Water Analytical Results Summary
Southwest Rice Mill
Crowley, Acadia Parish, Louisiana

Analyte	Units	Location Sample ID Date Sample Type	SRM-OW-BB01 SRM-OW-BB01-060211 06/02/2011 Field Sample	SRM-OW-BB02 SRM-FB-060211 06/02/2011 Field Blank	SRM-OW-BB02 SRM-OW-BB02-060211 06/02/2011 Field Sample	SRM-OW-UC01 SRM-OW-UC01-060211 06/02/2011 Field Sample
o-Xylene	mg/L	--	0.00063 JQ	0.0000002 U	0.001 JQ	0.00024 JQ
Styrene	mg/L	--	0.00000023 U	0.00000023 U	0.0000012 U	0.00000023 U
Tetrachloroethylene	mg/L	--	0.00000048 U	0.00000048 U	0.0000024 U	0.00000048 U
Toluene	mg/L	--	0.0013 JQ	0.00000026 U	0.0016 JQ	0.00000026 U
trans-1,2-Dichloroethene	mg/L	--	0.00000035 U	0.00000035 U	0.0000017 U	0.00000035 U
trans-1,3-Dichloropropene	mg/L	--	0.00000032 U	0.00000032 U	0.0000016 U	0.00000032 U
Trichloroethene	mg/L	--	0.00000041 U	0.00000041 U	0.0000021 U	0.00000041 U
Trichlorofluoromethane	mg/L	--	0.00000035 UJK	0.00000035 UJK	0.0000018 UJK	0.00000035 UJK
Vinyl Chloride	mg/L	--	0.00000026 U	0.00000026 U	0.0000013 U	0.00000026 U
Xylenes,Total	mg/L	--	0.00183 JQ	0.0000002 U	0.000001 U	0.00082 JQ

ATTACHMENT E

ANALYTICAL DATA PACKAGES

The analytical data packages were too large to upload and will be provided with final CD.

ATTACHMENT F

DIGITAL PHOTOGRAPHS

Executable file and digital photographs will be on the Final Report CDs,

Digital photographs are available for the OSC/TM review.

To receive a review copy of the photographs,

please contact the START-3 PTL.

ATTACHMENT G

START-3 SITE LOGBOOKS

"Outdoor writing products...
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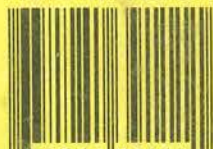
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"Rite in the Rain®"

ALL-WEATHER
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No. 391

SOUTHWEST RICE MILL (

OIL SPILL

1504 W. MILL ST.

CROWLEY, ACADIA PARISH, LA

FPN E11620

TO-0002-11-05-02

20406.012.002.0639.01



WON : 20406.012.002.0639.01

[illegible]

2 TO-0002-11-05-02 20406.012.002.0639.01
Southwest Rice Mill Oil Spill
5/29/11 BACKGROUND

START Tom WALTON WAS NOTIFIED
BY OSC STEVE MASON OF A
LEAKING TANK IN CROWLEY, LA
THE TANK IS APPROX 20,000 GAL AND
LEAK AN UNKNOWN VOLUME OF OILY
LIQUID INTO A NEARBY DITCH/CREEK
THE OILY MATERIAL HAS REACHED
BAYOU BLANC. BAYOU BLANC DRAINS
INTO BAYOU PLAQUEMINE BRULEE
WHICH FLOWS INTO THE MERMENTAU
RIVER. THE TANK IS NEAR A R/R
TRACK. NO ONE IS TAKEN RESPONSIBILITY
LDEQ KNOWS MCCORMICK IS
SITE CONTACT 337/501-2948

3 TO-0002-11-05-12 20406.012.002.0639.01
Southwest Rice Mill Oil Spill 5/29/11

1235 RECEIVES E-MAIL FROM
START Tom WALTON REGARDING
LEAKING TANK NEAR CROWLEY, LA
OSC STEVE MASON WOULD LIKE
START TO RESPOND & POTENTIALLY
CONDUCT HAZ-CAT ACTIVITIES

1310 START JEFF WRIGHT & DAVID
DORRLEAU AT BR OFFICE LOADING
EQUIPMENT. START JEFF WRIGHT
& KEITH DELORME WILL RESPOND
TO INCIDENT / SPILL.

1350 DEPART BR OFFICE FOR
CROWLEY, LA. WILL MEET
START DELORME AS WELL AS
STATE & LOCAL OFFICIALS AT
FIRE STATION (HWY 13 &
HUTCHINSON ST.) IN CROWLEY, LA.

1525 ARRIVE AT FIRE STATION.

1540 MEET WITH START DELORME
AT SPILL SCENE OFF MILL ST.

1550 COLLECT PHOTO DOCUMENTATION
OF TANK & SPILL SCENE

1600 TANK IS LOCATED AT
30.202641; 92.383751 W

4 TO-0002-11-05-02 20406.012.002.0639.01

5/29/11 Southwest Rice Mill Oil Spill

1607 NSCA John Morgan &

Dayton Panner on site.

STATE THAT IT SHOULD BE IN
EPA JURISDICTION. ALSO MEET

WITH LDEQ JEFF MEYER

& Rhonda McLarnick

1615 Response Containment Team

(Cory Droux) arrives on-

site. TRIAD TO DEPLOY

CONTAINMENT BOOM

1630 START VAIGNT CALLS OSC

Mason to Provide UPDATE.

LDEQ WOULD LIKE TO ALLOW

THE RP CHANCE TO CONDUCT
CLEAN UP.

1700 TRIAD REPS & LDEQ START TO

LOCATE LEADING EDGE OF

SPILL IN Bayou Blanc

1735 TRIAD & GROWING FIRE DEPT

PERSONNEL STATE SPILL

CONTAMINATION EXTENDS TO

POWERLINE CROSSING APPROX

0.3-0.4 MILE WEST OF

RAISON RD. LAT/LONG

30.15123 N; 92.39194 W.

Southwest Rice Mill Oil Spill TO-0002-11-05-02

20406.012.002.0639.01

5/29/11

1900 SOUTHWEST RICE CO. MARK

DELAHONSSAYE STATES THAT

HE DOESN'T THINK HE IS

FULLY LIABLE & WILL NOT

SIGN CLEAN UP CONTRACT WITH

TRIAD. HE WILL PAY FOR

THEN TO DEPLOY CONTAINMENT

BOOM UPSTREAM & DOWNSTREAM

OF SPILL.

1915 TRIAD DEPLOYING BOOM UP-

STREAM OF SPILL. LOCATION

AT 30.20193 N / 92.37746.

1920 START COLLECTS PHOTO DOC

2015 TRIAD ATTEMPTING TO PLACE

BOOM DOWNSTREAM OF SPILL

AREA LOCATION - 30.19105

92.39282

2030 BOOM DEPLOYED.

2040 LATE ENTRY - HEALTH &

SAFETY MEETING WAS CONDUCTED

PRIOR TO FIELD ACTIVITIES.

CHEMICAL HAZARD - CRUDE OIL

PHYSICAL HAZARD - SLIP TRIP/FALL

HOT SURFACES → HEAT STRESS.

(SEE PAGE 6)

PM

6 TO-0002-11-05-02 20406.012.002.0639.01

5/29/11 Southwest Rice Mill Oil Spill

2040 CONT ~~W/LEAK~~ - Sunny Hot

TEMP = 89°F

SCOPE OF WORK - WRIGHT & PARR
Documentation.

JEFF WRIGHT - ~~Jeff Wright~~

KEITH DELHOMME - ~~Keith Delhomme~~

2155 Arrived Back in Baton Rouge

SUMMARY

- 20,000 GAL AST LOADED ON
CONTENTS IN TO DITCH/CREEK
WHICH TRAVELED ≈ 0.25 MILES
WHORE IT ENTERED BATON BLANC.
 ≈ 1.3 MILES OF BATON BLANC IS
IMPACTED.
- LDEQ & START ON SITE. LDEQ
LEAD IS RANDA MCCORMICK.
- EMPLOYEE (MARK DELAHOUSSAYE)
SOUTHWEST RICE MILL DAMAGED TANK
VALVE WHILE CLOSING DRAIN-
AGE DITCH, CAUSING LEAK.
- TRIAD RESPONSE CO. DEPLOYED
CONTAINMENT BOOM IN BATON
BLANC TO ISOLATE OIL SPILL.
- START OSC TO RETURN TO
SITE TOMORROW.

TO-0002-11-05-02 20406.012.002.0639.01

Southwest Rice ^{Mill} Oil Spill 5/30/11

0745 START WITHOUT COMPLETING

SITE SKETCH, DOWN LOADING

PHOTOS & WRITING POLREP NO. 4

PRIOR TO DEPARTING FOR SITE.

0955 COMPLETE POLREP NO. 1

1020 ENROUTE TO BR OFFICE TO

PICK UP DOCUMENTS & SUPPLIES.

NOTE - START DELHOMME IS

ON SITE TO MEET WITH ERAS
CONTRACTORS & OSC FIRE.

1100 ENROUTE TO SITE.

1300 ARRIVE AT SPILL SCENE. OSC

GRAB FIRE & USES PARROW
FORTHOUTDRY ARE ON SITE.

1345 LDEQ RANDA MCCORMICK ALSO
ON SITE. PRP SOUTHWEST ~~AT~~

RICE MILL HAS NOW AGREED TO

HIRE TRIAD AS FINE CLEAN UP

CONTRACTOR. OSC FIRE AGREES

HOWEVER USES WILL REMAIN

ON SITE TO ASSIST TRIAD WITH
CLEAN UP.

1400 OSC FIRE HAS TASKED START
TO PROVIDE ANALYTICAL
SERVICES TO ANALYZE A

8 TO-0002-11-05-02 20406.012.002.0639.01

5/30/11 Southwest Rice Mill Oil Spill

1400 CONT SANDS OF OR SPIN
MATERIAL. ANALYSIS TO INCLUDE:
VOCs, SVOCs, PEST./HERB.; R,C,I
SULFIDE, CYANIDE, METALS.

1410 START WRIGHT WAS CONTACTED
KRIST. WARR in Houston, TX
TO HELP WITH REMEDIATION.

1420 DAILY H&S MEETING

CHEMICAL HAZARD - CRUDE OIL

PHYSICAL HAZARD - HEAT STRESS
SLIP/TRIP/FALL

WEATHER - Sunny Hot High in
Low 90's

SCOPE OF WORK - SITE DOCUMENTATION

JEFF WRIGHT - *Jeff Wright*

KEITH DOLAN - *Keith Dolan*

1445 START conducts recon of Bayou
Blanc (downstream of southernmost boom
at Roller Rd.) at Hwy 90 west
of Roller Rd. and of Bayou Fagumine
Brule on Hwy 91 N. of Estherwood.
No traces of crude oil were visible
at either location. *KD*

1458 PRP cleanup contractor Triad &
sub- USES begin VAC truck op-
KD

TO-0002-11-05-02 20406.012.002.0639.01

5/30/11 Southwest Rice Mill Oil Spill
erations at Bridges on W. Mill St.
and at Roller Rd. *KD*

1530 LDEA PERSONNEL ON SITE

ARG: CHRIS LEVITT, RONDA
McCORMICK & RAY CLEMENT
ROY KARNADO.

1700 VAC TRUCK OPERATIONS

CONTINUING AT W. Mill St.

1715 DRUM SKINNER & VAC-TRUCK
ARE ALSO SET UP AT ROLLER
RD BRIDGE. DRUM SKINNER
NOT YET OPERATIONAL.

1845 TRAD & LOCAL OFFICIALS HAVE
CONCERNS ~~THAT~~ ABOUT LOCAL FARMERS
USING WATER PUMPS TO DRAW
WATER OUT OF BAYOU BLANC
TO IRRIGATE FIELDS. POLICE JURY
& LDEA TO ASK FARMERS TO
HOLD OFF UNTIL OIL IS REMOVED.

1950 TRAD WRITING UP ACT-IVITIES FOR
THE DAY. PHOTO. STARTS WRIGHT
CRANED OSC PUMP DIRT @ ASP.

2105 ARRIVE BACK IN RR.
SUMMARY ON FOLLOWING
PAGE.

TO-0002-11-05-02 20406.012.002.0639.01

5/30/11 Southwest Rice Mill Oil Spill

SUMMARY OF TODAY'S ACTIVITIES

- SUBMITTER POLREP No. 1 FOR ACTIVITIES THROUGH 5/29/11.
- EPA OSC AGREES THAT PRP WILL NOW REMAIN AS LEAD CLEAN-UP. HOWEVER USES (EPA'S CONTRACTOR) WILL WORK UNDER TRUST (RP CONTRACTOR).
- EPA TASKS START TO PROVIDE ANALYTICAL SERVICES
- START SET UP ANALYTICAL WITH ACCUTEST, 500 AMBASSADOR CAFEWAY, PREWY, LAFAYETTE, LA
- LDEQ ON SITE
- 3 LARGE VAC TRUCK AT SITE.
 - > 1 - LARGE VAC TRUCK SET UP AT ROLLER RD BRIDGE.
 - > 1 - LARGE VAC TRUCK SET UP AT MILL ST. CREEK CROSSING.

Southwest Rice Mill Oil Spill 20406.012.002.0639.01

TO-0002-11-05-02

5/31/11

0548 START WRIGHT DEPARTS

BATON ROUGE FOR SPILL SCENE SITE IN CROULEY, LA.

0710 ARRIVE AT SPILL SITE ATTEND DAILY SAFETY MEETING. STARTS KEITH DELMONACO ALSO ON SITE.

WEATHER. CLEAR SUNNY HIGH 95°
CHEMICAL HAZARD. OIL

PHYSICAL HAZARDS. SLIP/TRIP/FALL

SCOPE OF WORK. SITE DOC.,

COLLECT PROFILE OIL SAMPLE.

PPE - LEVEL D - DOC.; LEVEL

C - SAMPLING (NOTE: AIR MONITORING RESULTS INDICATE VOC READINGS OF <10ppm AT PRODUCT SURFACE. AMMONIA, ACID GAS - 0ppm).

JOFF WRIGHT - *[Signature]*

KEITH DELMONACO - *[Signature]*

0730 PREPARE SAMPLE EQUIPMENT

0745 CALIBRATED MULTI METER. SET CALIBRATION LOG.

0805 START DELMONACO CONDUCTS AIR MONITORING AT SAMPLE SITE. NO READINGS ABOVE BACKGROUND.

VOC = 9.0ppm; CO = 1ppm; H₂S = 0ppm

12 TO-0002-11-05-02 20406.012.002.0639.01

5/31/11 Southwest Rice Mill Oil Spill

0805 CONT O_2 - 20.9%

0851 BEGIN SOURCE SAMPLE COLLECTION

0945 COMPLETE SOURCE SAMPLE COLLECTION

1005 BEGIN PROCESSING SAMPLE
CONTAINERS & COMPLETING LABELS
& COLLECT.

1010 SAMPLE NOMENCLATURE WILL
BE SRM-~~85~~SLØ1-110531

SRM - SOUTHWEST RICE MILL

OW ~~85~~ - OILY WATER

SLØ1 - SOURCE LOCATION Ø1

110531 - DATE (YY/MM/DD)

1105 COMPLETE SAMPLE LABELING
& FILLING OUT COC.

1145 SAMPLES ON ICE.

1235 LUNCH BREAK

1310 ARRIVE AT ACCUTEST (FORMERLY
SPL) IN LAFAYETTE, LA. DROP
OFF SAMPLES

1400 ARRIVE BACK AT SPIN SLOW.

1410 1 LARGE VAN TRUCK & 1 DRUM
SKINNER ARE WORKING AT
ROLLER RD BRIDGE.

TO-0002-11-05-02 20406.012.002.0639.01

Southwest Rice Mill Oil Spill 5/31/11

1440 STARTS AT BATON BEACH
COLLECTION POINT AT END
OF BAYOU OAK DR.

1700 START Wright offsite to Baton
Rouge KD

1630 Late entry: At furthest down-
stream boom ^{KD} on Ro 1/4 mile past
Roller Rd bridge, oil observed
escaping down sides of boom a-
long edges. KD

1700 START Delhomme relays to
LDEQ Varnado & TRIAD's S. Butand
that oil is escaping downstream of
last boom. ~~ERRS~~ KD Clean-up
contractor responds and puts boom
all the way down to water level
at bayou side, appearing to halt
the oil seeping past on the side.

1800 START Delhomme offsite for
Lafayette KD

1845 START drops off sample
coolers (unused) at Weston Laf-
ayette office KD

Keith Delhomme

14 TO-0002-11-05-02 20406.012.002.0639.01

06/01/11 Southwest Rice Mill Oil Spill
0600 START Delhomme departs
latayette for Spill site in Crowley,
LA KD

0650 Arrive at Spill site KD

0700 Attend 'all hands' safety meeting
w/ PRP cleanup contractor crews.
Meeting held by TRIAD Response.

0710 - USEPA FiFe on site and attends
meeting KD

0745 LDEO Chris Calvitt on site KD
Safety Meeting: Weather - partly
cloudy, temp. expected in mid-90's.
Chem. hazard - old waste oil mix
Physical hazard - slip, trip, fall,
heat stress KD

Biological hazard - snakes, mosquitos
PPE - Level 'D' documentation

Scope of Work - documentation of
cleanup contractor activities. Per
EPA FiFe, EPA Criminal Investigation
is expected at spill site today.

CID may request sample(s). KD
Keith Delhomme - Keith Delhomme

0900 TRIAD cleanup crews have VAC
truck at W. Mill St. bridge
KD Delhomme

TO-0002-11-05-02 20406.012.002.0639.01

15

06/01/11 Southwest Rice Mill Oil Spill
0940 TRIAD crews operating skimmer
at collection pt at end of ^W Bayou
Oak drive KD

1000 Skimmer being operated at Rd-
ler Rd bridge KD

1015 TRIAD crews operating skimmer
at downstream-most collection pt,
1000' downstream of Roller Rd.. Water
is currently flowing upstream;
however, oil has accumulated down-
stream of outer boom and appears
to possibly still be able to breach
containment on bayou sides KD

1040 USEPA CID Brett Spiers
ON site. Spiers interviews TRIAD
response mgr/owner Scott Butand
concerning potential PRP Mark
Delahoussaye. START Delhomme
brings CID Spiers with EPA FiFe
to collection pts along Bayou Blanc
and to initial spill site at tank.
CID Spiers requests a sample
be collected downstream in Bayou
Blanc to compare to spill location
sample. EPA FiFe then requests
KD Delhomme

16 TO-0002-11-05-02 20406.012.002.0639.01
06/01/11 Southwest Rice Mill Oil Spill
that 4 downstream samples be taken, 1 at W Mill St Bridge, 1 at Bayou Oak Dr. collection pt., 1 at Roller Rd bridge and 1 at Furthest downstream collection pt. ~~~~~ KD
-1040 -1700 TRIAD Response continues to skim and vacuum oil at all collection pts ~~~~~ KD
1715 START Tom Walzer arrives from Houston to transition w/ Delhomme.
1800 After day long discussions with potential 'RP' Mark Delahoussaye, the response is Federalized and becomes an ERRS cleanup under EPA lead, per LDER request ~~~~~
1740 Late entry: START receives preliminary lab data from Accutest. A small amt of pesticide is present; but no cyanide, PCBs are present.
1900 START Delhomme and Walzer recon all collection pts to scope out sampling locations for morning.
1930 EPA Fife offsite ~~~~~ KD
1940 START Walzer offsite ~~~~~ KD
2000 START Delhomme offsite ~~~~~
K Delhomme ~~~~~

17 TO-0002-11-05-02 20406.012.002.0639.01
06/01/11 Southwest Rice Mill Oil Spill
Enroute to Lafayette, START stops to purchase sampling supplies: paper towels, garbage bags, Ziploc bags. START Delhomme then stops at ACCUTEST lab in Lafayette to pick up sample jars. ~~~~~ KD
2100 START Delhomme arrives Lafayette office ~~~~~ KD

Keith Delhomme

TO-0002-11-05-02 20406.012.002.0639.01

06/02/2011 SW Rice Mill Oil Spill

0700 Tim Walzer + Keith Belhomme ARRIVE

Triad Safety Meeting begins

0900 - ~~30.19110/-92.~~ 30.20190/-92.3836/

SRM-OW-UC01-060211

First & Culvert down stream of Spill

1002 - SRM-OW-BB01-060211 Collected

30.19110/-92.39272 - Final

Collection Point

1059 - SRM-OW-BB02-060211 Collected

30.20146/-92.37995 ^{THW} Back -

up in Bayou - Furthest Up stream

1230 Keith Belhomme ^{THW}1350 Triad Emergency Response CP ^{THW}30.20178, 092.38472 ^{THW}1353 MNK 30.20265, 092.38374 ^{THW}

1445 SRM-FB-060211; Field Blank

1456 Sign Samples to Sarah Hitchcock

1545 Generator out on Triad command Post

Wash down beginning at Source ^{THW}

Began; Washdowns downstream continues

1555 at Washdown area input location by ^{THW}Source Tank 30.20254, 092.38401 ^{THW}

1730 Depart for Day

Thomas A. Walzer 06/02/2011 ^{THW}

TO-0002-11-05-02 20406.012.002.0639.01

06/03/2011 Southwest Rice Mill Oil Spill

0700 ARRIVE ON site for Safety Meeting ^{THW}0730 Walk Natchez area of Spill - Source to ^{THW}W Mills Road ^{THW}0810 ARRIVE W Mills Road ^{THW}0902 ARRIVE South end (Main South West) ^{THW}Boom ^{THW}

0913 At Final Booms 30.19112; 092.39310 -

0929 Return to Pickup Point ^{THW}0934 Find intermediate sorbent boom ^{THW}0953 West of Bridge, one skimmer operating ^{THW}one not operating - deploying a third ^{THW}1003 East of bridge one skimmer operating ^{THW}1007 Aqueduct over Bayou East of Bridge ^{THW}1017 Head back to bridge ^{THW}1030 Back at Command Post, Process Photos ^{THW}

1240 head back to field for pictures at upstream

pickup points ^{THW}1306 head back to command Post ^{THW}1400 Take helicopter Notified of oil spill ^{THW}

in front of IESI of Acadia Parish - Take 2

photos ^{THW}1420 Take helicopter ride, photograph recovery ^{THW}points from above ^{THW}

Thomas A. Walzer 06/03/2011

20 TD-0002-11-05-02 20406.012.002.0639.01

06/03/2011 Southwest Rice Mill Oil Spill

1440 Return; photo of valve TW

Late entry draw down of Tank began earlier; Contraction to PRP sampled TW

Tank; PRP Gives me copies of 2 Documents of Ownership TW

1523 Head down Convey to Bayou; TW

1531 Discharge begins again at Convey South of W. W. Mills Road. TW

1400 (Late Entry) OSC departs site TW

1750 Photos ready for upload TW

There are 4 pick up locations TW

1929 ERRS reports at 1500 hours flow in Bayou Blanc ~~cess~~ stopped and oil began spreading out level in bayou appears to be rising

Theresa Wagon
06/03/2011

TD-0002-11-05-02 20406.012.002.0639.01

21

06/04/2011 Southwest Rice Mill Oil Spill

0700 Arrive on site for Safety Meeting TW

0826 Collection Point 1; 30.20150; ~092.37955

0835 Collection Point 2; 30.19873; ~092.38288

0852 Collection Point 3; 30.19333; ~092.38811

0900 Collection Point 4; 30.19107; ~092.39288

Farmer starts pump down stream of

Collection Point 4 TW

0915 Return to command Post to load Photos TW

1340 Collection Point 4, boom has been deployed to protect Farmer's water intake TW

1350 Collection Point 3 visited booms east of bridge have been opened; 4 sets of booms west of bridge TW

1440 Visit Final boom; some moose TW

1505 Bridge at Pine Road observe TW

1513 Collection Point 1; No crew operating TW

Late entry visited collection point south of 1 Field; Equipment no personnel TW

1525 Collection Point 2; position manned TW

Crew washing towards bridge TW

1554 Return to Collection Point 3 TW

1705 Visit water pump set up to supply TW

crawfish farmer 30.19194, ~092.39719 TW

No oil at intake point TW

Theresa Wagon 06/04/2011

22 TO-0002-11-05-02 20406.012.002.0639.01

06/04/2011 Southwest Rice Mill Oil Spill

1915 Notified bad weather moving into ~~the~~ area; Crews pulled in ~~the~~
1930 Depart Site

~~1 hr A. W. J. 06/04/2011~~

TO-0002-11-05-02 20406.012.002.0639.01

23

06/05/2011 Southwest Rice Mill Oil Spill

0700 ARRIVE on site, Safety meeting. ~~the~~

0751 Collection point 4; 15" pump owned by ~~the~~
Farmer still operating. No oil visible at intake

0804 Collection Point #3 visited Washing of floating
oil continues ~~the~~

0908 Collection Point South of ball fields on
NORTH bank; ~~the~~

0912 Boom between ball field collection point
and Pine St bridge; Some saturated ~~the~~

0922 Boom on West side of Pine St bridge ~~the~~

0930 Collection Point 2; crew cleaning up ~~the~~

0942 Collection Point 1; Some equipment; oil
still in vegetation ~~the~~

0957 Return to Collection Point 3; 3 washers working
around Roller Road Bridge. ~~the~~

1636 Re Collection Point 2; Boom missing from
end of Conley; All equipment gone; Some ~~the~~
booms still in Bayou Blanc. ~~the~~

1648 Collection Point 1, Boom still in place holding ~~the~~
oil in vegetation on south bank; Some oil ~~the~~
still visible on north bank; equipment gone

1656 Collection Point South of ball field; Equipment
picked up ~~the~~

~~1 hr A. W. J. 06/05/2011~~

24 TO-0002-11-05-02 20406.012.002.0639.01
06/05/2011 Southwest Rice Mill Oil Spill
1720 CP#3; Rotten Road Bridge view Progress
1950 Crows in depart site

Thom A. Wager
06/05/2011

25 TO-0002-11-05-02 20406.012.002.0639.01
06/06/2011 Southwest Rice Mill Oil Spill
0705 arrive on site; EPA Goose-neck trailer —
on site; Slide would not extend, turned —
out loose connect, —
1100 start walking Causee from W Mill Road to —
Blanc Bayou. —
1200 Late entry LEE A. Hebert; Acadia Parish
visited the site around 10:00 hours; he was
from Homeland Security & Emergency Preparedness
Acadia Parish. —
LDEQ reported Louisiana Department of —
Wildlife and Fisheries visited site —
Cassidy R Lejeune; Biologist Supervisor —
2415 Darnall Rd —
New Iberia, LA 70560 —
office 337.373.0032 —
337.373.0181 —
Cell 337.654.1312 —
Ray Clement - 337.591.0284 cell —
337.262.5125 office —
Chris Calvitt 337.278.7608 cell —
337.262.5578 office —
Rhonda McCormick 337.501.2948 cell —
General office 337.262.5584 office —
Thom A. Wager 06/06/2011 —

26 TO-0002-11-05-02 20406.012.002.0639.01

06/06/2011 Southwest Rice Mill Oil Spill
1500 Crews called in due to lightning and
storms in area

Thomas A. Wafar
06/06/2011

TO-0002-11-05-02 20406.012.002.0639.01 27

06/07/2011 Southwest Rice Mill Oil Spill

0600 Arrive on site THW

1115 5'10" - 11'8" diameter; 21' Tall THW

Measure Tank, Calculations; THW

16,793 gallons (400 barrels) THW

1307 At CP#3 oil being removed with vacuum
truck hose with duck bill; padding free oil
in other areas THW

1406 Crews continue to work on packet nose
CP#3 THW

1539 CP#3 work continues THW

1606 CP#3 work continues THW

1752 CP#3 laying more sorbent pads THW

1833 CP#1; Boom and oil behind house still
in place THW

1900 Crews coming in THW

1910 Depart Site THW

Thomas A. Wafar
06/07/2011

TO-0002-11-05-02 20406.012.0002.0639.01

06/08/2011 Southwest Rice Mill Oil Spill

0600 Safety Meeting THW0737 Photos of Map Zones for clean up THW0834 CP#3 Progress checked THW0844 Check boom at Pine st Bridge THW0852 Check oil at CP#1 THW1130 Check progress at CP#3 THW1142 CP#3, Flow reversed THW

1255 CP#1, Oil still not addressed

1330 Informed ERRS, Jim Cronwell, THW oil
at CP#1 still not addressed THW1420 Boats pass CP#1 to address upstream
and move THW1520 Oil from upstream arrives at CP#1 THW

1538 mark oil at Lot 30.20177; Low 092.37891

1750 CP#3 photo progress THW1820 Crews in and signed out Depart THW
site

Thomas A. Wafar
06/08/2011

TO-0002-11-05-02 20406.012.0002.0639.01

06/09/2011 Southwest Rice Mill Oil Spill

0605 Arrive at site in time for Safety
Meeting. THW0924 CP#1 Crew working on trapped oil so THW
we can remove boom THW0945 CP#3, Removing oily vegetation THW

1857 Depart Site

Thomas A. Wafar
06/09/2011

30 TO-0002-11-05-02 20406.012.002.0639.01

06/10/2011 Southwest Rice Mill Oil Spill

0600 Arrive on site THU

0605 Safety Meeting THU

0649 Visit Collection Point 5 (formerly 4) by
15" Pump. 3 hard boom deployed, ~3

cubic yards of bagged material on bank

0700 Collection Point 3 (Roller Road Bridge)

0722 Collection Point 2 (Red House, Camp St)

No booms. THU

0735 Collection Point 1 - 4 sorbent booms
deployed; two upstream booms have
good accumulation of moss and plant
debris THU

0756 Collection Point South of Hengsten Field

No activity; passed hard boom at THU

Pine St on way to this location; hard

boom still in bayou between this location

and Pine Street (East) THU

1020 5 bags of Bio sorb delivered THU

1110 Arrive CP#4 Pulling boom THU

1600 Arrive CP#4 THU

1610 Thunder CP#4 THU

1705 Crews back at Muster Area to assist

with decontamination of Booms THU

1730 Bobtail; Response Trailer; Extra Sorbent Boom leave

Thomas A. Walzer 06/10/2011

TO-0002-11-05-02 20406.012.002.0639.01

31

06/10/2011

Southwest Rice Mill Oil Spill

1836 Crews begin shutting down for
Day THU

1845 Depart site

Thomas A. Walzer

06/10/2011

32 TD-0002-11-05-02 20106.012.002.0639.01

06/11/2011 Southwest Rice Mill Oil Spill

0625 Arrive on site THW

0700 Safety Meeting THW

0820 Triad Command Post leaves site THW

1217 Triad Boom decom completed and THW

loaded, Decom 2 boats in progress THW

1400 USES CREWS Finish up & depart THW
Site THW

1410 Hear reports of Boom on Road at I-10

1420 Depart Site

Thom A. Wajda
06/11/2011

TD-0002-11-05-02 20106.012.002.0639.01

33

06/13/2011 Southwest Rice Mill oil Spill

0700 Arrive on site tool box safety THW

1000 Calibrat meter; Tank was 7' from THW
top before it drained. THW

1005 LEL 6% VOC 73ppm TX CO. 3ppm THW

1013 LEL 9% THW

Measurement of Slug Depth 17"

1630 Crews leave for day; Clean out of THW
sludge delayed by lack of Analysis. THW

late entry 1300-1430; took boat ride THW
up Bayou Blanc Little sheen observed.

Found oil patch downstream of Rollers Road
bridge; Crew dispatched to clean it up.

1700 Depart

Thom A. Wajda
06/13/2011

34 TO-0002-11-05-02 20406.012.002.0639.01

06/14/2011 Southwest Rice Mill Oil Spill

0700 Tool Box

0715 Calibrate MultiRae 23676

4-Gas Lot# CAL-412-3

Isobutylene Lot# EAK-248-100-4

Zero Air Lot# IAK-1-4

Calibration

Calib Standard

	0715	0903	1011
CO (ppm)	50	49	50
LEL%	50	50	49
H ₂ S (ppm)	25	24	25
O ₂ (%)	20.9	20.9	20.9
C ₄ H ₈ (ppm)	100	100	101

0725 O₂ Begins to climb

0730 ReCal

0740 O₂ Climbs to 21.4%

0743 O₂ 21.6%

0748 O₂ 22.0%

0826 Air Pack Arrives; Melvin Clay

0830 VOC 50ppm on

0845 ERRS Enters Tank

0903 ReCal

0948 Finish Decow Frak Tank, Dogging Hatch

1011 ReCal

Thomas A. Wager 06/14/2011

TO-0002-1105-02 20406.012.002.0639.01 35

06/14/2011 Southwest Rice Mill Oil Spill

1025 VOC 38

LEL 0.0

1045 Begin Vacuum truck on source tank

1200 Lined

1300 MultiRae reading high on O₂ again

Standard Air	Stand	Bump	test	06/15/2011	06/15/2011	Bump
PPM CO	50	51	50	48	53	47
% LEL	50	66	50	49	49	51
PPM H ₂ S	25	24	25	25	24	24
% O ₂	20.9	21.6	20.9	20.9	20.9	20.9
PPM C ₄ H ₈	100	84	100	101		
VOC	100	TM				

1500 Enters Tank

1522 Exit Tank

1552 Willy Enters Tank

1641 ERRS Exits Tank

1653 ERRS goes on air + Enters Tank

1728 ERRS out of Tank

Thomas A. Wager
06/14/2011

36 TD-0002-11-05-02 20406.012.002.0639.01
06/15/2011 Southwest Rice Mill Oil spill

0700 Tool Box Meeting TW

0755 Calibrate MultiRae Results Record
page 36 of this Log book TW
TW

0850 ERKS Exits Tank TW

1154 TANK loaded on Truck TW

1300 Excavation underway TW

1544 Second Rolloff Arrives TW

1730 Second Rolloff full; oil still in
Excavation TW
TW

1830 Depart Site TW

42 TW

260 TW

2520 TW

84 TW

10,920 TW

TW
A. W. J.
06/15/2011

TD-0002-11-05-02 20406.012.002.0639.01

06/16/2011 Southwest Rice Mill Oil spill

0630 Arrive on site TW

0700 Tool Box Safety TW

0730²³⁰ Completed gradiv TW

1300 Dismissed From Site by OSC TW

1315 ERKS Crew Signs out TW

1330 START-3 Departs Site

TW
A. W. J.
06/15/2011
END OF
Log Book

USCG

DAYTON PANNELL
JOHN MORGAN

LDEA

JEFF MOYERS
337/262 5588 - RAYMOND MC GOWEN
337/298 7277 - CHRISTOPHER CALVITT

Southwest

RICE MIN MARK DELAHOUSSAYE
337/788-2170 - 0
337/581 0854 - C

TRI-AG

TRIAD

LAFAYETTE
CORY

1504 W MILL ST.

USCS

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Log Book 2 of 2



"Rite in the Rain"
ALL-WEATHER
JOURNAL
No. 391

Southwest Rice Mill
Oil Spill

Crowley, Acadia Parish, LA

Photo Journal

FPN E11620

TO- 0002-11-05-02

20406.012.002.0639.01



Project FPN: E11620

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PAGE

REFERENCE

DATE _____

Photo Journal

Camera

Olympus Stylus Tough RFW23729

Used 05/29 to 05/31/2011

Fuji Film P FinePix S5200

Inventory Tracking 23262

Photo Log

DATE	Photo #	TIME	DIR	PHOTO SUBJECT
5/29/11	1	1555		Source Tank
5/29/11	2	1555		Valve broken
5/29/11	3	1555		Oil-saturated
5/29/11	4	1555		" "
5/29/11	5	1603		Oil-Filled ditch
5/29/11	6	1919	N	ERRS deploying
5/29/11	7	1920	NW	" "
5/29/11	8	2023	NE	" "
5/29/11	9	2023	NE	" "
5/30/11	10	1537	W	Bayou Blanc w/
5/30/11	11	1537	W	" "
5/30/11	12	1655		ditch leading to
5/30/11	13	1655	W	Bayou Blanc w/
5/30/11	14	1842	N	Vacuum truck
5/30/11	15	1842	NW	Skimmer on Bay
5/31/11	16	0852		" "
5/31/11	17	0853		START J Wright
5/31/11	18	1428	NE	" "
5/31/11	19	1429	NW	Oil atop Bayou
06/02/11	501	1036		Skimmer atop B
06/02/11	502	1037		ayou Blanc at end of Bayou Oak Dr.
06/02/11	503	1554		- Bayou Blanc south of Hengsten Field

Th. A. Wafar 06/02/2011

CAMERA: OLYMPUS STYLUS TOUCH (RFW23729)

PHOTO SUBJECT	P/W
of 'Oil' Spill adjacent to ¹⁵⁰⁴ Mill St	JW/KD
off bottom of source tank of spill	JW/KD
ground at base of 'oil' tank	JW/KD
" " " " " " " " " " " "	JW/KD
near 'oil' tank	JW/KD
approx. 10' SE of 'oil' tank	JW/KD
boom on Bayou Blanc S. of Hengsten Field	JW/KD
" " " " " " " " " " " "	JW/KD
" " " " " " " " " " " "	JW/KD
" " " " " " " " " " " "	JW/KD
" " " " " " " " " " " "	JW/KD
oil as seen from Roller Rd. bridge	JW/KD
" " " " " " " " " " " "	JW/KD
oil as seen from Mill St bridge	JW/KD
at Mill St bridge over ditch leading to Bayou Blanc	JW/KD
on Bayou Blanc south of Hengsten Field	JW/KD
" " " " " " " " " " " "	JW/KD
in Level C sampling ditch adjacent to	KD/JW
" " " " " " " " " " " "	KD/JW
Blanc at end of Bayou Oak Dr.	KD/JW
ayou Blanc at end of Bayou Oak Dr.	KD/JW
- Bayou Blanc south of Hengsten Field	TW/KD
" " " " " " " " " " " "	TW/KD
" " " " " " " " " " " "	TW/KD
" " " " " " " " " " " "	TW/KD

Th. A. Wafar 06/02/2011

TD-0002-11-05+02 20406.012.002 0639.01

Sweet Rice Mill Oil Sp. 11

Thomas A. W. 06/03/2011

TO-0002-11-05-02 20406.012.002.0639.01

Southwest Rice Mill Oil Spill

Thom A. Wofen 06/03/2011

6 TO-0002-11-05-02 20406.012.002.0639.01
06/03/2011 Southwest Rice Mill Oil Spill

DATE	Time	Pick#	Dir	Plot Foot	Lat	Long
06/03	0927	6234	N	THW	30.19111	-092.392800
	0929	6245	ENE	THW X	"	"
	0932	6246	N	THW X	30.19102	-092.39179
	0934	6247	N	THW X	30.19116	-092.39148
	0953	6278	E	THW	30.19321	-092.38844
	0956	6289	E	THW	"	"
	0956	6290	S	THW	"	"
	1003	6301	SW	THW	30.19321	-092.38784
	1006	6312	W	THW	30.19286	-092.38750 ± 29
	1014	6323	W	THW	30.19296	-092.38655
	1017	6334			30.19308	-092.38657 ± 21
	1249	6345	N		30.20155	-092.37949 ± 20
	1250	6346	E		"	"
	1306	6347	E		30.20214	-092.37832
	1306	6348	W		"	"
	1406	6389	W		30.20144	-092.38507
	1406	6390	S		"	"
	1425	6401	SE		30.19333	-092.38808
	1425	6412	SW		"	"
	1426	6423	SSE		"	"
	1427	6434			30.19111	-092.39285
	1434	6445			30.20152	-092.37955

Thom A. Wafar 06/03/2011

7 TO-0002-11-05-02 20406.012.002.0639.01
Southwest Rice Mill Oil Spill

Subject

Sorbent at Second to Last boom ——— TJW
Upstream ——— TJW
Oil stains on vegetation Between bridge + pickup
intermediate sorbent boom between bridge + pickup
West of Bridge on ——— TJW
One skimmer operating; have not
operating beeping skimmer. West of bridge ——— TJW
Oil collected behind boom ——— TJW
East of Bridge; one skimmer ——— TJW
Wash Pump blowing Water Down stream to bridge ——— TJW
Toward Bridge; Stains on bank to right ——— TJW
Up stream ——— TJW
Upstream ——— TJW
Upstream ——— TJW
Pick up point South of Ball Fields ——— TJW
" ——— TJW
Oil Path From ICSI of Acadia Parish ——— TJW
CP#3; Aerial West side of Bridge ——— TJW
CP#3; Aerial East side of Bridge ——— TJW
CP#3; Aerial ——— TJW
CP#4; Aerial ——— TJW
CP#1; Aerial ——— TJW

Thom A. Wafar 06/03/2011

8 TO-0002-11-05-02 20406.012.002.0639.01

Southwest RICE MILL OIL Spill

DATE: 06/03/2011 + 06/04/2011

Time	Pct#	Dir	Prog	Latitude	Longitude
1443	6486	NE	THW/O	30.20263	-092.38380
1531	6487	E	THW/X	30.20192	-092.38362
1531	6488	S		"	"
1533	6489	E	↓	"	"
<hr/>					
06-04-2011					
0826	701	NE	THW/TH	30.20150	-092.37955
0835	702	NW	THW	30.19873	-092.38288
0837	703	NE		30.19874	-092.38295
0851	704	S		30.19335	-092.38805
0852	705	S		30.19333	-092.38811
0852	706	SW		"	"
0905	707	NE		30.09107	-092.39288
1342	708	NE		30.19113	-092.39284
1342	709	ENE		"	"
1346	710	NW		30.19101	-092.39291 #13
1346	711	NNW		"	"
1354	712	SW		30.19335	-092.38812
1400	713	S		30.19332	-092.38812
	714	E		30.19316	-092.38802
1440	715	N		30.19197	-092.39408
1505	716	S		30.20156	-092.37547
1508	717	E		30.20143	-092.37550
1514	718		↓	30.20163	-092.37955

THW A. Weber 06/04/2011

TO-0002-11-05-02 20406.012.002.0639.01

Southwest Rice Mill Oil Spill

06/03/2011 and 06/04/2011

Subject

Big end valve to tank Small end Export — THW
 Southeast of culvert W Mill ~~Street~~ Road — THW
 Ditch (Path) south of W Mill Road — THW
 Discharge into couley at southeast of Culvert at W Mill Road. — THW

 #2; behind, 1st Colled — THW
 Red house; Couley discharge into Bayou Blanc — THW
 " " downstream of ditch — THW
 3rd East side Bridge — THW
 3rd Collection Point; West Side of Bridge — THW
 3rd Collection Point; West side of Bridge. Downstream — THW
 4th Collection Point; In — THW
 Collection Point 4 - Boom AREA — THW
 Collection Point 4 - Stained Vegetation Upstream — THW
~~West~~ ^{West} of Collection Point 4 Boom deployed to — THW
 protect Firemen's water intake — THW
 Collection Point 3 - Bridge/Killer Road — THW
 Collection Point 3 - West Roller Road Bridge — THW
 Collection Point 3 - East — THW
 Final Boom (may not be) Some Moose — THW
 Bridge or POND - Boom on West side — THW
 Bridge POND East; ~~up~~ upstream of Bridge — THW
 Collection Point 1 - Boom — THW

THW A. Weber 06/04/2011

10 TO-0002-11-05-02 20406.012.002.0639.01
06/04+05/2011 Southwest Rice Mill Oil Spill

Date	Time	Pic#	Dir	Ref	Latitude	Longitude
06/04	1525	719	N	THW	30.19877	-092.38292
	1530	720	NE		30.19818	-092.38351
	1535	721	N		30.19748	-092.38403
	1540	722	N		30.19838	-092.38334
	1554	723	SW		30.19333	-092.38807
	1558	724	E		30.19315	-092.38807
06/05	0751	801	NW	THW	30.19109	-092.39268
	0751	802	N		"	"
	0804	803	SW		30.19334	-092.38808 ±20
	0804	804	SW		"	"
	0804	805	S		"	"
	0808	806	W		30.19318	-092.38809
	0808	807	W		"	"
	0812	808	E		30.19310	-092.38799
	0812	809	E		"	"
	0818	810	W		30.19287	-092.38692
	0822	811	SE		30.19304	-092.38662
	0824	812	SW		"	"
	0828	813	W		30.19320	-092.38781
	08	814	S		30.19283	-092.38704
	0908	815	E		30.20199	-092.37837
	0908	816	W		"	"
	0911	817	S		30.20193	-092.37742
	0912	818	S		"	"

Thma. Water

TO-0002-11-05-02 20406.012.002.0639.01
06/04+05/2011 Southwest Rice Mill Oil Spill
Description

Collection Point 2; To Exit of Sta Conley THW
 Small pocket West of Collection Point 2 THW
 Small amount of Oil THW
 Oil THW
 Collection Point 3, 4 Booms West of Bridge 3 up Skinner THW
 Collection Point 3; East of Bridge Roller Road THW
 Collection Point 4; Some moose and light sheen in open water Oil impacted Vegetation on North bank THW
 Collection Point 3; Crews setting up oil collected behind booms. THW
 Collection Point 3; West of Roller Road Bridge, near Sta THW
 Collect Point 3; West of Roller Road Bridge, Downstream THW
 Collection Point 3; " " " " THW
 Collect Point 3; Sheen flowing into Boom THW
 " " 3; Further upstream stained vegetation THW
 Up stream of CP3; Boom collecting moose and sheen. THW
 Sheen and moose under aqueduct THW
 sheen and moose downstream of aqueduct THW
 Washing under Roller Road bridge THW
 Removing boom so collected & goes to Collection Point #3 THW
 up stream THW
 downstream THW
 boom between Fidd Collection Point and Pine St Bridge THW
 " " " " THW
 Thma. Water 06/05/2011

12 TO-0002-11-05-02 20406.012.002.0639.01

06/05/2011 Southwest Rice Mill Oil Spill

Date	Time	Pic	Dir	Th	Lat	Long
06/05	0422	819		Th	30.20157	-092.37547
	0730	820	N		30.19878	-092.38297
	0931	821	E		—	—
	0932	822	W		—	—
	0942	823	N		30.20153	-092.37958
	0942	824	NE		—	—
	0957	825	W		30.19321	-092.38811
	1009	826	S		30.19334	-092.38812
	1721	827	E		30.19314	-092.38800
	1724	828	W		30.19316	-092.38812
	1733	829	E	↓	30.19317	-092.38801

06/06/2011

06/06	1118	901	NW	Th	30.20060	-092.38357
	1315	902	SW		30.19334	-092.38808
	1325	903	S		30.19325	-092.38841
	1322	904	S		30.19336	-092.38801
	1339	905	NE	↓	30.19101	-092.39291

06/07/2011

06/07	0704	1001	W	Th	30.19317	-092.38810
	0707	1002	SE		30.19312	-092.38800
	0710	1003	S		30.19309	-092.38811
	0753	1004	SW		30.19300	-092.38878
	1053	1005	SW	↓	—	—

Th A. W. 06/07/2011

TO-0002-11-05-02 20406.012.002.0639.01

13

06/05, 06+07/2011 Southwest Rice Mill Oil Spill

Photo Subject

Boom West of Pine Street Bridge	Th
CP#2; Sorbent boom across mouth of Couley just before Change	
CP#2; upstream	
CP#2; downstream, Boom on side	Th
CP#1; Oil on North Bank	Th
CP#1; Oil under Culvert South bank	Th
CP#3; West of Roller bridge; 3 washers going	Th
CP#3; West of Roller Road bridge; adjacent to bridge	Th
CP#3; East of bridge on Roller Road	Th
CP#3; West	Th
CP#3; East to Boats pushing with wash pumps	Th

Stained vegetation

CP#3; West of Roller Road Bridge	Th
CP#3; Second boom West of Bridge	Th
CP#3; East Side of Bridge	Th
CP#4; Loose vegetation removed	Th

CP#3; Roller Road bridge; West Booms	Th
CP#3; Roller Rd; W. East From Bridge	Th
CP#3; Removing vegetation to FREE trapped Oil	Th
West of Roller Bridge; using duck bill to skim oil	
"	

Th A. W. 06/07/2011

TD-002-11-05-02 20406.012.002.0639.01

06/07+08/2011 Southwest Rice Mill Oil Spill

Date	Time	Pic #	Photo Dir	Photo	Latitude	Longitude
06/07	0807	1006	N		CP#4 30.19098	-092.39284
06/07	1025	1007	SW		30.19326	-092.38814
	1367	1008	S		30.19317	-092.38844
	1406	1009	SW		30.19323	-092.38824
	1411	1010	E		30.19315	-092.38797
	1450	1011	S		30.19221	-092.38846
	1539	1012	S		30.19322	-092.38847
	1553	1013	S		30.19339	-092.38802
	1606	1014	S		30.19304	-092.38877
	1752	1015	SW		30.19333	-092.38811
	1754	1016	SE		30.19316	-092.38799
	1758	1017	S		30.19320	-092.38845
	1803	1018	SW		30.19300	-092.38874
	1833	1019	NE		30.20150	-092.37953
06/08/2011	2011					
06/08	0737	1101			NONE-NA	NONE-NA
	0746	1102			NONE-NA	NONE-NA
	0834	1103	SE		30.19320	-092.19321
	0836	1104	W		30.19321	-092.38811
	0844	1105	S		30.20157	-092.37549
	0852	1106	NE		30.20153	-092.37957
	11342	1107	S		30.19318	-092.38842
	1134	1108	S		— 11 —	— 11 —

Tha G. Waf 06/08/2011

TD-002-11-05-02 20406.012.002.0639.01

06/07+08/2011 Southwest Rice Mill Oil Spill

Photo Description

CP#4; Small amounts	THA
CP#3; Oil Collected Behind First Boom West of Bridge	
CP#3; Oil being Removed from boom with duck bill	
CP#3; First Boom West	THA
CP#3; Pudding East of Bridge	THA
CP#3; " " " "	THA
CP#3; Working on picket	THA
CP#3; East side of Bridge	THA
CP#3; West of 2 active Booms	THA
CP#3; West of Bridge	THA
CP#3; East of Bridge	THA
CP#3; Laying Pads	THA
CP#3; Dusting Gator Zorb	THA
CP#1;	THA

06/08/2011

Zone MAP

Zone MAP

CP#3; East of Bridge	THA
CP#3; West of Bridge	THA
Boom at Pine St Bridge	THA
CP#1; House	THA
CP#3; South Bank	THA
CP#3; SPHAG Sorb used on Residue	THA

Tha G. Waf 06/08/2011

TO-0002-11-05-02 20406.012.002.0639.01

06/08/2011

Southwest Rice Mill Oil Spill

Date	Time	Pic #	Dir	Photo	Latitude	Longitude
06/08/2011	1142	1109	SW	THW/0	30.19304	-092.38876
	1538	1110	NW		30.20177	-092.37891
	1540	1111	NW		30.20180	-092.37912
	1644	1112	NE		30.20152	-092.37955
	1751	1113	SW		30.19336	-092.38808
	1753	1114	S	↓	30.19334	-092.38801
06/09/2011						
	0928	1201	E	THW/0	30.19885	-092.38294
	0928	1202	W		"	"
	0949	1203	SW		30.19333	-092.38808
	0951	1204	S	↓	30.19335	-092.38803

06/10/2011

Date	Time	Pic #	Dir	Photo	Latitude	Longitude
06/10	0649	1301	N	THW/THW	30.19111	-092.39285
	0649	1302	NE		"	"
	0700	1303	SE		30.19302	-092.38874±35
	0703	1304	S		30.19331	-092.38806±20
	0703	1305	SESW		"	"
	0706	1306	SESW		"	"
	0707	1307	SE		30.19340	-092.38802
	0703	1308	SE		"	"
	0707	1309	E		30.19877	-092.38299
	0722	1310	W	↓	"	"

Th A. Wolf 06/10/2011

TO-0002-11-05-02

20406.012.002.0639.01

Southwest Rice Mill Oil Spill

CP#3; Flow REVERSED

Oil to East of CP#1, Farthest East

Oil closer to CP#1 but still East

CP#1 New Moose from above

CP#3 West of Bridge

CP#3 East of Bridge

CP#2; Upstream

CP#2; Down stream; to the adsorbent booms

CP#3; West of Bridge; oily vegetation removal

CP#3; East of Bridge

06/10/2011

CP#4 - 3 booms in place; Some moose

CP#4 - "

CP#3 - Downstream Some Moose

CP#3 - West Side Bridge

CP#3 - Down stream West of Bridge

CP#3 - Moose at boom West of bridge

CP#3 - East of Bridge Boat Cleanup crew

preparing to depart

CP#2 Up stream; West end Camp St.

CP#2 Down stream

Th A. Wolf 06/10/2011

Southwest Rice Mill Oil Spill

DATE	TIME	PIC #	DIR	Photo	Latitude	Longitude
06/10	0735	1311	N	THW	30.20150	-092.37943
	0739	1312	W		30.20150	-092.37951
	0741	1313	N		30.20139	-092.37965
	0744	1314	W		30.20132	-092.37993
	0750	1315	W		30.20209	-092.37836
	0750	1316	E		— 11 —	— 11 —
	1111	1317	N		30.19113	-092.39280±10
	1128	1318	E		30.20214	-092.38445
	1130	1319	E		30.20226	-092.38448
	1326	1320	SW		30.19334	-092.38815
	1327	1321	S		— 11 —	— 11 —
	1330	1322	S		30.19331	-092.38805
	1335	1323	SW		30.19308	-092.38876
	1604	1324	NE		30.19113	-092.39289
	1619	1325	S		30.19333	-092.38811
	1619	1326	SW		— 11 —	— 11 —
	1626	1327	S	↓	30.19322	-092.38806
06/11	1222	1401	S	THW	30.19334	-092.38809
	1222	1402	SW		— 11 —	— 11 —
	1231	1403	NE	+	30.19115	-092.39296

Tha. Wafar 06/11/2011

Southwest Rice Mill Oil Spill

CP#1; Adsorbent Boom 1 of 34 masts up stream THW
 CP#1; Adsorbent Boom 2 of 34 middle upstream THW
 CP#1; 2 of 34 THW
 CP#1; Adsorbent Boom 3 of 4 middle downstream THW
 South of Ball Field, Downstream; Crew clearing boom CP#1 —
 South of Ball Field, Upstream; Hawk boom THW
 CP#4; Boom Pads THW
 Decontamination AREA; Boat THW
 Decontamination AREA; Boom THW
 CP#3; Roller Road, Downstream THW
 CP#3; Roller Road, West of Bridge THW
 CP#3; Roller Road, East of Bridge THW
 CP#3; West of Bridge, Small accumulation THW
 CP#4; Preliminary Setting of Final Boom THW
 CP#3; West of Bridge THW
 CP#3; Downstream of Roller Rd Bridge THW
 CP#3; Under Roller Road Bridge THW
 06/11/2011 THW
 CP#3; West of Bridge THW
 CP#3; Downstream of Bridge THW
 CP#4; Final Boom for Maintenance Period THW

Tha. Wafar 06/11/2011

20 TO-0002-11-05-0302 20406.012.002.0639.01

Southwest Rice Mill Oil Spill

PHOTO LOG

DATE	TIME	PIC #	DIR	Photo	Latitude	Longitude
06/13	0827	1601	E	THW	30.20260	092.38390
	0830	1602	E		"	"
	0830	1603	W		"	"
	1057	1604	NE		30.20263	092.38381
	1058	1605	E		"	"
	1058	1606	E		"	"
	1110	1607	-		"	"
	1110	1608	-		"	"
	1110	1609	-		"	"
	1111	1610	NE		"	"
	1111	1611	-	✓	"	"

06/14	1011	1701	SE	THW	30.20263	092.38381
	1041	1702	SE		"	"
	1048	1703	SE		"	"
	1050	1704	E		"	"
	1055	1705	E		"	"
	1522	1706	E		"	"
	1522	1707	E		"	"
	1641	1708	E	✓	"	"

Thom A. Wager 06/14/2011

TO-0002-11-05-02 20406.012.002.0639.01 21

Southwest Rice Mill Oil Spill

Photo Description

Excavation of Dirt Aile By Tank to expose Man Port
 East along RR Track ——— THW
 West along RR Track ——— THW
 Open Man way, Correction Not Manway to Small
 Open Access port ——— THW
 Inside TANK; Sludge ——— THW
 Ring from Top of Tank ——— THW
 Wall of tank from inside ——— THW
 Sludge from top of Tank ——— THW
 Access port in top of TANK ——— THW
 Ring in tank from Top ——— THW

06/14/2011

Vacuum truck hose sucking up sludge —
 Removal as sludge is not as liquid as thought
 Vacuum hose in tank ——— THW
 Pressure washing to Vacuum hose ——— THW
 Vacuum hose & Sludge in tank ——— THW
 Pipe in bottom of Tank ——— THW
 Pipe and sludge in tank ——— THW
 " " ——— THW

Thom A. Wager 06/14/2011

TO-0002 11-05-02; 20406.012.002.0639.01; Southwest Rice Mill Mill

PHOTO LOG

DATE	TIME	PIC #	DIR	Photo	Latitude	Longitude
6/15	0948	1801	S	TH	30.20263	-92.38387
	0948	1802	S	TH	"	"
	0949	1803	SE		"	"
	0958	1804	NE		"	"
	0959	1805	N		"	"
	1001	1806	N		"	"
	1003	1807	W		"	"
	1020	1808	W		"	"
	1042	1809	-		30.20214	-92.38445
	1042	1810	-		"	"
	1042	1811	-		"	"
	1042	1812	-		"	"
	1042	1813	-		"	"
	1048	1814	-		"	"
	1048	1815	-		"	"
	1054	1816	-		"	"
	1127	1817	-		"	"
	1613	1818	E		30.20263	-92.38387
	1613	1819	E		"	"
	1702	1820	W		"	"
	0939	Video	To	↓	"	"

Thom A. Wager 06/15/2011

hooking chain to tank TH
 Hooking - Preparing to topple Tank TH
 Backhoe Track hoe positioned to protect RR switch TH
 Beginning Pull TH
 Bottom of Tank and prepared Pad. TH
 Dent in side of tank TH
 Moving Tank TH to loading Bottom of Tank TH
 Condition of Access point in top of Tank TH
 Inside of Tank TH
 Inside of Tank TH
 Inside Tank TH
 Inside Tank TH
 Inside Tank TH
 Bottom Lip of Tank (now on side) TH
 Crack above bottom plate on tank TH
 Corrosion at bottom of Tank TH
 Loading Tank TH
 Excavation Begins TH
 Excavation TH
 Seeps in wall of Excavation TH
 Toppling of Tank TH

Thom A. Wager 06/15/2011

TD-0002-11-08-02

20406.012.002.0639.01

Southwest Rice Mill Oil Spill

06/16/2011

Date	Time	PIC #	Dir	Photo	Latitude	Longitude
1218	1901		SE	THW	30.20264	-092.38367
1216	1902		NW		30.20263	-092.38371
1217	1903		W		30.38383	-092.38386
1218	1904		E		— " —	— " —
1316	1905		S		30.19339	-092.38810
1316	1906		SW		— " —	— " —
1318	1907		S		30.19336	-092.38807
1318	1908		SE	✓	— " —	— " —

Thom A. Wafar
06/16/2011

DESCRIPTION

Concrete to limit corrosion - Riprap — THW
 Grading in Tank Area — THW
 Grading — THW
 Grading — THW
 Collection Point 3 - West side of bridge — THW
 CP03 - West of bridge — THW
 CP03 - East side of bridge — THW
 CP03 - East of bridge — THW

END OF
Logbook

Thom A. Wafar
06/16/2011

ATTACHMENT H

QUALITY ASSURANCE SAMPLING PLAN

**EMERGENCY RESPONSE
QUALITY ASSURANCE SAMPLING PLAN

FOR

SOUTHWEST RICE MILL
1504 W. MILL STREET
CROWLEY, ACADIA PARISH, LOUISIANA**

Prepared For

U.S. Environmental Protection Agency Region 6
1445 Ross Ave.
Dallas, Texas 75202

Contract No. EP-W-06-042
Technical Directive Document No. TO-0002-11-05-02
WESTON Work Order No. 20406.012.002.0639.01
NRC No: 977719
CERCLIS No: N/A
FPN: E11620
EPA OSC: Greg Fife
START-3 PTL: Jeff Wright

Prepared by

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May 2011

TABLE OF CONTENTS

Section	Page
1. INTRODUCTION	1-1
1.1 PROJECT OBJECTIVES	1-1
1.2 PROJECT TEAM	1-1
1.3 QASP FORMAT.....	1-2
2. SITE BACKGROUND.....	2-1
2.1 SITE LOCATION AND DESCRIPTION	2-1
2.2 SITE CONCERNS.....	2-2
3. SAMPLING APPROACH AND PROCEDURES	3-1
3.1 OVERVIEW OF SAMPLING ACTIVITIES.....	3-1
3.1.1 Health and Safety Plan Implementation	3-1
3.1.2 Community Relations.....	3-1
3.2 SAMPLING/MONITORING APPROACH.....	3-2
3.2.1 Surface Water Sampling.....	3-2
3.2.2 Investigation-Derived Waste (IDW)	3-2
3.2.3 Sampling and Sample Handling Procedures	3-3
3.2.4 Field Quality Control Samples	3-3
3.3 SAMPLE MANAGEMENT	3-4
3.4 DECONTAMINATION	3-5
3.5 SAMPLE PRESERVATION, CONTAINERS, AND HOLD TIMES.....	3-5
4. ANALYTICAL APPROACH	4-1
4.1 Analytical Methods.....	4-1
4.2 Data Validation	4-2
5. QUALITY ASSURANCE.....	5-1
5.1 SAMPLE CUSTODY PROCEDURES.....	5-1
5.2 PROJECT DOCUMENTATION.....	5-2

LIST OF APPENDICES

Appendix	Title
Appendix A	WESTON Standard Operating Procedures (SOPs)

LIST OF TABLES

Title	Page
Table 4-1 Requirements for Containers, Preservation Techniques, Sample Volumes, and Holding Times	4-4

1. INTRODUCTION

Weston Solutions, Inc. (WESTON®), the Superfund Technical Assessment and Response Team (START-3) Contractor, has been tasked by the U.S. Environmental Protection Agency Region 6 (EPA Region 6) under Contract Number EP-W-06-042, Technical Direction Document (TDD) Number TO-0002-11-05-02 to perform surface water sampling activities at the Emergency Response at the Southwest Rice Mill site. The site is located at 1504 W. Mill Street, in Crowley, Acadia Parish, Louisiana. START-3 has prepared this Quality Assurance Sampling Plan (QASP) to describe the technical scope of work to be completed at the site as part of the Emergency Response.

1.1 PROJECT OBJECTIVES

START-3 is providing technical assistance to EPA Region 6. The objective is to determine presence of contaminants of concern (COCs) and to identify the chemical constituents of the material that leaked from the 20,000-gallon aboveground storage tank (AST), into a drainage ditch located adjacent to the property. The presence of COCs in the surface water could pose an imminent and substantial danger to life and health.

The current environmental threat consists of the release of contaminants to the surface waters within the drainage ditch and Bayou Blanc. At the time of the response, the surface waters were unimpeded and contiguous.

1.2 PROJECT TEAM

The Project Team will consist of START-3 personnel Jeff Wright (Project Team Leader [PTL], and FSO), Keith Delhomme (Alternate Project Team Leader [APTL]), and additional START-3 personnel as needed. For all samples collected, the PTL, in collaboration with Greg Fife, the EPA On-Scene Coordinator (OSC), will determine the number of samples (1-3) and the locations where the samples will be collected. The PTL will oversee collection of the samples as necessary, and the sampling team members will log the activities at each sample location in the field logbook and verify sample documentation. Sample documentation and preparation is also

the responsibility of START-3. The PTL will be responsible for documenting the work performed and will serve as START-3 liaison to EPA Region 6.

1.3 QASP FORMAT

This QASP has been organized in a format that is intended to facilitate and effectively meet the project objectives. The QASP is organized in the following sections:

- Section 1 - Introduction
- Section 2 - Site Background
- Section 3 - Sampling Approach and Procedures
- Section 4 - Analytical Approach
- Section 5 - Quality Assurance

An appendix is attached with the following information:

- Appendix A WESTON Standard Operating Procedures (SOPs)

2. SITE BACKGROUND

Information about the site location and description, site history and features, and a summary of previous investigations is included in the following subsections.

2.1 SITE LOCATION AND DESCRIPTION

The site is located within the city limits of Crowley, Acadia Parish, Louisiana. The spill scene occurred on vacant property located near 1504 W. Mill Street in Crowley, Acadia Parish, Louisiana. The site is located at Latitude 30.20266° North and Longitude 92.38375° West.

The site is situated along a spur of the Southern Pacific railroad and immediately east of a commercial rice business (Southwest Rice Mill). The site is reported to be the former location of an agricultural fertilizer business; however, no buildings or other permanent structures are present on the property. A Louisiana Department of Environmental Quality (LDEQ) representative conducted a property owner search of the Acadia Parish Tax Assessor's online records. No current property owners were identified in the Acadia Parish records.

A 20,000-gallon aboveground storage tank (AST) was damaged by a Southwest Rice Mill employee while clearing adjacent drainage ditches. The damage resulted in the discharge of the oily contents of the AST spilling into the drainage ditch and then entering Bayou Blanc. The affected area of the drainage ditch is estimated to be approximately 0.25 mile. The affected area of Bayou Blanc is approximately 1.3 miles. The release was reported on 28 May 2011. The amount of material within the AST at the time of the spill is unknown.

The Louisiana State Police, Crowley Fire Department, and LDEQ initially responded to the spill scene. The current property owner has not been identified. An employee of Southwest Rice Mill stated that he damaged the storage tank while attempting to clear adjacent drainage ditches. The employee of Southwest Rice Mill refused to accept full responsibility of the incident; however, he did contract Triad Emergency Response Contractors on May 29, 2011 to deploy containment boom in Bayou Blanc. LDEQ submitted a formal request for EPA assistance after Southwest Rice Mill Company refused cleanup liability. Southwest Rice Mill subsequently signed a contract with Triad to begin the cleanup.

Triad Emergency Response Contractors deployed containment boom within Bayou Blanc to isolate the spill area. EPA activated the ERRS contractor, EQM, to mobilize to the spill scene on May 30, 2011 and begin emergency cleanup activities.

2.2 SITE CONCERNS

The current threat involves the release of contaminants to the surface waters of the adjacent drainage ditch and Bayou Blanc. The run-off water is potentially contaminated with chemical materials that were previously stored within the AST.

3. SAMPLING APPROACH AND PROCEDURES

Samples collected by START-3 will be used to evaluate the nature of the contaminants present. EPA and START-3 will collect surface water samples from the drainage ditch and potentially Bayou Blanc. Samples collected as part of this ER will be obtained in accordance with WESTON Standard Operating Practices (Appendix A).

3.1 OVERVIEW OF SAMPLING ACTIVITIES

The EPA OSC and START-3 will determine appropriate sample locations. If necessary, sampling of investigation-derived waste (IDW) will be performed to properly dispose of IDW. START-3 will use EPA Scribe Environmental Sampling Data Management System (SCRIBE) software to manage sample data.

3.1.1 Health and Safety Plan Implementation

The START-3 field activities will be conducted in accordance with the site-specific health and safety plan (HASP). The Field Safety Officer (FSO) will be responsible for implementation of the HASP during all field investigation activities. In accordance with the WESTON general health and safety operating procedures, the field team will also drive the route to the hospital specified in the HASP prior to initiating sampling activities.

3.1.2 Community Relations

Community relations may require additional EPA involvement due to the general nature of the site. It is anticipated that the EPA OSC will be on-site at all times, and community relations issues will be directed to him. If the EPA OSC is not present, the START-3 PTL, under the guidance of the WESTON Deputy Program Manager, will manage community relations in the field as directed by the EPA OSC. If a community relations plan and implementation program becomes necessary, START-3 will establish each if requested by the EPA OSC. START-3 will work as directed by the EPA OSC to obtain access to all designated sites.

3.2 SAMPLING/MONITORING APPROACH

All samples will be collected in general accordance with the WESTON SOP 1002-01 for *Surface Water Sample* Collection and (Appendix B). The specific sampling procedures are described below.

3.2.1 Surface Water Sampling

The number of samples and locations of the samples will be decided by the EPA OSC and START-3 PTL. The water samples will be collected in accordance with WESTON SOP 1002-01 for *Surface Water Sample Collection* (Attachment A).

Prior to sampling, water quality measurements such as oxygen, pH, temperature, conductivity, and oxidation reduction potential may be taken. For surface water, these measurements can assist in the interpretation of analytical data.

Water samples will be submitted to Accutest Laboratories in Scott, Louisiana for a full suite of organic and inorganic analysis: volatile organic carbons (VOCs); semi volatile organic carbons (SVOCs); Pesticides(Pest); PCBs (PCB); Organophos Pesticides (O-Pest); Herbicides (Herb); TAL metals; Reactivity; Corrosivity; Ignitability; BTU; and Total Cyanide.

Deviations from the sample locations will be due to new observations made prior to sampling, information obtained in the field that warrants an altered sampling point, difficulty in sample collection, or limited access. The EPA OSC will be notified, and concurrence will be obtained should significant deviations from the planned sampling points be proposed. Details regarding deviations of the QASP will be documented in the site logbook.

3.2.2 Investigation-Derived Waste (IDW)

Attempts will be made to eliminate or minimize generation of IDW during this investigation. All non-dedicated equipment will be decontaminated according to WESTON SOP 1201.01. Non-dedicated equipment will be rinsed with soap and water and attempts will be made to dispose of decontamination fluids on-site. The analytical data from collected samples will be reviewed

after completion of the field activities, and disposal options will be evaluated accordingly. It is anticipated that minimal amounts of IDW will be generated during this activity.

3.2.3 Sampling and Sample Handling Procedures

Samples will be collected using equipment and procedures appropriate to the matrix, parameters, and sampling objective. The volume of the sample collected must be sufficient to perform the laboratory analysis requested. Samples must be stored in the proper types of containers and preserved in a manner appropriate to the analysis to be performed.

All clean, decontaminated sampling equipment and sample containers will be maintained in a clean, segregated area. All samples will be collected with clean decontaminated equipment (Appendix A, SOP 1201.01). All samples collected for laboratory analysis will be placed directly into pre-cleaned, unused glass or plastic containers. Sampling personnel will change gloves between each sample collection/handling. All samples will be assembled and catalogued prior to shipping (Appendix A, SOPs 1101.01 and 1102.01) to the designated laboratory.

3.2.4 Field Quality Control Samples

Field QA/QC samples will be collected so that 10% of samples per matrix will be collected as blind duplicate sample analysis. If water samples are collected, then collect 1 water duplicate for every 10 normal samples collected (i.e., if you only collect 4 normal, then go ahead and collect 1 duplicate).

Samples will be collected according to the following:

- Blind field duplicate samples will be collected during sampling activities at locations selected by the START-3 PTL. The data obtained from these samples will be used to assist in the quality assurance of the sampling procedures and laboratory analytical data by allowing an evaluation of reproducibility of results. Efforts will be made to collect duplicate samples in locations where there is visual evidence of contamination or where contamination is suspected. Blind field duplicate samples will be collected at the rate of one duplicate for every 10 samples collected.
- Equipment rinsate blanks will be prepared by pouring laboratory-grade deionized water over non-disposable sampling equipment after it has been decontaminated and collecting the rinse water in sample containers for analyses. These samples will be prepared to

demonstrate that the equipment decontamination procedures for the sampling equipment were performed effectively.

- Temperature blanks will be prepared in the field and will consist of one 40-milliliter glass sample container with a Teflon-lined septum cap. The temperature blank will be packaged along with the field samples in the shipping cooler and will represent the temperature of the incoming cooler upon receipt at the laboratory. Use of these samples within a shipping container enables the laboratory to assess the temperature of the shipment without disturbing any of the field samples.
- Field blanks will be collected when VOC samples are taken and are analyzed only for VOC analytes. The field blank consists of American Society of Testing and Materials (ASTM) Type II reagent grade water poured into a VOC sample vial at the sampling site. It is handled like an environmental sample and transported to the laboratory for analysis. Field blanks are used to assess the potential introduction of contaminants from ambient sources (e.g., gasoline motors in operation, etc.) to the samples during sample collection. Field blanks shall be collected and submitted once per day that VOC samples are collected.
- Laboratory prepared trip blanks will be submitted with each shipment containing samples for VOC analysis. The laboratory prepared trip blanks will consist of two 40-milliliter glass sample containers with Teflon-lined septum caps. The trip blanks will be prepared with deionized water prior to leaving the laboratory. Trip blanks are used to evaluate the potential cross-contamination that may occur during the shipment of samples. Trip blanks will be included in each sample cooler.
- Lot blanks will be submitted per lot number of sample media for air analysis. For example, the sorbent tubes will be supplied by the laboratory in 'lots.' One sorbent tube will be removed from the media lot prior to exposure to site contaminants. The lot blank will be evaluated for the same parameters as the samples that will be collected using the similar sample media. It will be denoted as a lot blank on the chain of custody and is considered field QC.

3.3 SAMPLE MANAGEMENT

Specific nomenclature that will be used by WESTON will provide a consistent means of facilitating the sampling and overall data management for the project (Appendix A, SOP 0110.04). The WESTON Deputy Program Manager must approve any deviations from the sample nomenclature proposed below.

As stated in SOP 0110.04, sample nomenclature will follow a general format regardless of the type or location of the sample collected. The general nomenclature consists of the following components:

- Geographic location (e.g., location within a school or park).
- Collection type (composite, grab, etc.).
- QA/QC type (normal, duplicate, etc.).
- Sequence - An additional parameter used to further differentiate samples.

Sample data management will be completed utilizing the EPA-provided SCRIBE software.

3.4 DECONTAMINATION

The non-disposable sampling equipment (hand trowels, stainless steel bowls, etc.) used during the sample collection process will be thoroughly pre-cleaned before initial use, between use, and at the end of the field investigation. Equipment decontamination will be completed in the following steps:

- High-pressure water spray or brush, if needed, to remove soil/sediment from the equipment.
- Nonphosphate detergent and potable water wash to clean the equipment.
- Final potable water rinse.
- Equipment air-dried.

Personnel decontamination procedures will be described in the site-specific HASP that will be prepared by WESTON prior to implementation of activities at the site.

3.5 SAMPLE PRESERVATION, CONTAINERS, AND HOLD TIMES

Once collected, samples will be stored in coolers while at the site and until submitted for laboratory analysis. The samples will be sent by common carrier to the laboratory or driven by the WESTON START-3 members.

WESTON will receive analytical results based on discussions with the EPA OSC. This turnaround time is initiated when the samples are collected in the field and continues until the analytical results are made available to WESTON either verbally or by providing facsimile or email copies of the results for review. Samples that have been analyzed will be disposed by the designated laboratory in accordance with the laboratory SOPs.

4. ANALYTICAL APPROACH

4.1 ANALYTICAL METHODS

The water samples will be submitted to Accutest Laboratories in Scott, Louisiana, for the analysis of volatile organic carbons (VOCs); semi volatile organic carbons (SVOCs); Pesticides(Pest); PCBs (PCB); Organophos Pesticides (O-Pest); Herbicides (Herb); TAL metals; Reactivity; Corrosivity; Ignitability; BTU; and Total Cyanide with a turn-around-time of 24 hours for preliminary analytical results (please note: this TAT is 24 hours from sample receipt at the lab; not close of business the following day). Final results will be available on a 3-business-day turn-around-time if multiple dilutions are not required. The laboratory analytical methods are listed below.

Surface Water Samples

- VOCs by 8260
- SVOCs by 8270
- TAL Metals including mercury by 6010/7470
- Pesticides by 8081
- Organophos Pesticides by 8141
- PCBs by 8082
- Herbicides by 8151
- Reactivity by SW-846
- Corrosivity by 9045
- Ignitability by 1010
- BTU by ASTM
- Total Cyanide by 9012

The START-3 PTL will indicate on the Chain of Custody that a Level IV data package is required. The laboratory contacts and shipping information are as follows:

Accutest Laboratories – Water Samples

500 Ambassador Caffery Blvd.

Scott, LA 70583

Tel 800.304.5227

Contact:

Deliverables will include preliminary data via email in pdf format and an EDD in excel format. The final data deliverable will include a full CLP-like data package in PDF format and a final EDD in excel format.

4.2 DATA VALIDATION

START-3 will validate the analytical data by having each data set reviewed by a professional data validator. A summary of the data validation and findings will be presented in Summary Reports as part of the final report. START-3 will evaluate the following to verify that the analytical data are within acceptable QA/QC tolerances:

- The completeness of the Laboratory Reports, verifying that all required components of the report are present and that the samples indicated on the accompanying chain-of-custody are addressed in the report.
- The results of laboratory blank analyses.
- The results of laboratory control sample (LCS) analyses.
- Laboratory precision, through review of the results for blind field duplicates.

The organic analytical data generated by the designated laboratory will be validated using EPA-approved data validation procedures in accordance with the EPA CLP National Functional Guidelines for Organic Data Review. A summary of the data validation findings will be presented in Data Validation Summary Reports as part of the final report. The following will be evaluated to verify that the analytical data is within acceptable QA/QC tolerances:

- The completeness of the laboratory reports, verifying that required components of the report are present and that the samples indicated on the accompanying chain-of-custody are addressed in the report.
- The calibration and tuning records for the laboratory instruments used for the sample analyses.
- The results of internal standards analyses.
- The results of laboratory blank analyses.
- The results of laboratory control sample (LCS) analyses.
- The results of matrix spike/matrix spike duplicate (MS/MSD) analyses.
- The results of surrogate recovery analyses.
- Compound identification and quantification accuracy.

- Laboratory precision, by reviewing the results for blind field duplicates.

Variances from the QA/QC objectives will be addressed as part of the Data Validation Summary Reports.

Table 4-1
Requirements for Containers, Preservation Techniques, Sample Volumes, and Holding Times

Name	Analytical Methods	Matrix	Container	Preservation	Minimum Volume or Weight	Maximum Holding Time
VOCs	Method 8260B	Water	40 ml VOA vials	HCl 4°C	3 x 40 mL	7 days
SVOCs	Method 8270C	Water	1 Liter Glass	4°C	1 Liter	7 days to extraction 40 days after extraction for analysis
TAL Metals	Method 6010/7470	Water	1 Liter Plastic	HCl 4°C	1 Liter	28 days
Organophos Pesticides	Method 8141	Water	1 Liter Amber Glass	4°C	4°C	28 days
Pesticides	Method 8081	Water	1 Liter Amber Glass	4°C	1 Liter	28 days
PCB	Method 8082	Water	1 Liter Amber Glass	4°C	1 Liter	28 days
Herbicides	Method 8151	Water	1 Liter Amber Glass	4°C	1 Liter	28 days
Reactivity	SW-846	Water	1 Liter Amber Glass	4°C	1 Liter	28 days
Corrosivity	Method 9045	Water	1 Liter Amber Glass	4°C	1 Liter	28 days
Ignitability	Method 1010	Water	1 Liter Amber Glass	4°C	1 Liter	28 days
Total Cyanide	Method 9012	Water	1 Liter Plastic	4°C	1 Liter	28 days
BTU	ASTM	Water	8 oz Glass	4°C	1 Liter	28 days

Note:

Water samples will be analyzed by Accutest, Scott, LA

5. QUALITY ASSURANCE

Quality Assurance (QA) will be conducted in accordance with the WESTON Corporate Quality Management Manual, dated March 2004; the WESTON START-3 Quality Management Plan and Programmatic Quality Assurance Project Plan, dated July 2009; and EPA Guidance for Performing Site Inspections under CERCLA. Following receipt of the TDD from EPA, a Quality Control (QC) officer will be assigned and will monitor work conducted throughout the entire project including reviewing interim report deliverables and field audits. The START-3 PTL will be responsible for QA/QC of the field investigation activities. The designated laboratory utilized during the investigation will be responsible for QA/QC related to the analytical work. START-3 will also collect samples to verify that laboratory QA/QC is consistent with the required standards and to validate the laboratory data received.

5.1 SAMPLE CUSTODY PROCEDURES

Because of the evidentiary nature of sample collection, the possession of samples must be traceable from the time the samples are collected until they are introduced as evidence in legal proceedings. After sample collection and identification, samples will be maintained under the chain-of-custody procedures. If the sample collected is to be split (laboratory QC), the sample will be allocated into similar sample containers. Sample labels completed with the same information as that on the original sample container will be attached to each of the split samples. All personnel required to package and ship coolers containing potentially hazardous material will be trained accordingly.

Chain-of-custody forms will be prepared by START-3. The chain-of-custody procedures are documented and will be made available to all personnel involved with the sampling. A typical chain-of-custody record will be completed each time a sample or group of samples is prepared for shipment to the laboratory. The record will repeat the information on each sample label and will serve as documentation of handling during shipment. A copy of this record will remain with the shipped samples at all times, and another copy will be retained by the member of the sampling team who originally relinquished the samples.

Samples relinquished to the participating laboratories will be subject to the following procedures for transfer of custody and shipment:

- The COC record will accompany samples. When transferring possession of samples, the individuals relinquishing and receiving the samples will sign, date, and note the time of the sample transfer on the record. This custody record documents transfer of sample custody from the sampler to another person or to the laboratory.
- Samples will be properly packed for shipment and dispatched to the appropriate laboratory for analysis with separate, signed custody records enclosed in each sample box or cooler. Sample shipping containers will be custody-sealed for shipment to the laboratory. The preferred procedure includes use of a custody seal wrapped across filament tape that is wrapped around the package at least twice. The custody seal will then be folded over and stuck to the seal to ensure that the only access to the package is by cutting the filament tape or breaking the seal to unwrap the tape.
- If sent by common carrier, a bill of lading or airbill will be used. Bill of lading and airbill receipts will be retained in the project file as part of the permanent documentation of sample shipping and transfer.

WESTON SOPs 1101.01 and 1102.01, provided in Appendix C, describe these procedures in more detail.

5.2 PROJECT DOCUMENTATION

All documents will be completed legibly and in ink and by entry into field logbooks, Response Manager, or SCRIBE. Response Manager is the Enterprise Data Collection System designed to provide near real-time access to non-analytical data normally collected in logbooks. Response Manager provides a standard data collection interface for modules of data normally collected by START-3 field personnel while on-site. These modules fall into two basic categories for Response and Removal. The modules include Emergency Response, Reconnaissance, Facility Assessment, Shipping, Containers, Materials, Calls, HHW, and General/Site Specific data. The system provides users with a standard template for laptop/desktop/tablet PC's that will synchronize to the secure web interface using merge replication technology to provide access to field collected data via on the RRC-EDMS EPA Web Hub. Response Manager also includes a PDA application that provides some of the standard data entry templates from Response Manager to user's on for field data entry. Response Manager also includes an integrated GPS unit with the secure PDA application, and the coordinates collected in Response Manager are

automatically mapped on the RRC-EDMS interactive mapping site. GIS personnel can then access this data to provide comprehensive site maps for decision-making support.

Response Manager also includes an Analytical Module that is designed to give SCRIBE users the ability to synchronize the SCRIBE field data to the RRC-EDMS Web Hub. This allows analytical data managers and data validators access to data to perform reviews from anywhere with an Internet connection. The Analytical Module is designed to take the analytical data entered into EPA SCRIBE software and make it available for multiple users to access on one site. START-3 personnel will utilize SCRIBE for all data entry on-site and will upload to the Response Manager Analytical module.

Field Documentation

The following field documentation will be maintained as described below.

Field Logbook

The field logbook is a descriptive notebook detailing site activities and observations so that an accurate, factual account of field procedures may be reconstructed. All entries will be signed by the individuals making them. Entries should include, at a minimum, the following:

- Site name and project number.
- Names of personnel on-site.
- Dates and times of all entries.
- Description of all site activities, including site entry and exit times.
- Noteworthy events and discussions.
- Weather conditions.
- Site observations.
- Identification and description of samples and locations.
- Subcontractor information and names of on-site personnel.
- Dates and times of sample collections and chain-of-custody information.
- Records of photographs.
- Site sketches.
- Calibration results.

Sample Labels

Sample labels will be securely affixed to the sample container. The labels will clearly identify the particular sample and include the following information:

- Site name and project number.
- Date and time the sample was collected.
- Sample preservation method.
- Analysis requested.
- Sampling location.

Chain-of-Custody Record

A chain-of-custody will be maintained from the time of sample collection until final deposition. Every transfer of custody will be noted and signed for and a copy of the record will be kept by each individual who has signed it.

Custody Seal

Custody seals demonstrate that a sample container has not been tampered with or opened. The individual who has custody of the samples will sign and date the seal and affix it to the container in such a manner that it cannot be opened without breaking the seal.

Photographic Documentation

START-3 will take photographs to document site conditions and activities as site work progresses. Initial conditions should be well documented by photographing features that define the site-related contamination or special working conditions. Representative photographs should be taken of each type of site activity. The photographs should show typical operations and operating conditions as well as special situations and conditions that may arise during site activities. Site final conditions should also be documented as a record of how the site appeared at completion of the work.

All photographs should be taken with either a film camera or digital camera capable of recording the date on the image. Each photograph will be recorded in the logbook and within Response Manager with the location of the photographer, direction the photograph was taken, the subject of the photograph, and its significance (i.e., why the picture was taken). Where appropriate, the

photograph location, direction, and subject will also be shown on a site sketch and recorded within Response Manager.

Report Preparation

At the completion of the project, START-3 will review and validate all laboratory data and prepare a draft report of field activities and analytical results for EPA OSC review. Draft deliverable documents will be uploaded to the EPA TeamLink website for EPA OSC review and comment.

Response Manager

START-3 will use the Response Manager module located on the EPA Web Hub, <https://solutions.westonproject.net/epawebhub/>, to collect and organize the data collected from project activities. The information to be included encompasses some or all of the following depending on the specific project needs:

- General Module – Site specific data including location and type of site. It also includes an area for all key site locations including geo-spatial data associated with the key site locations.
- Emergency Response Module – includes the following sub-modules: Basic Info, HAZMAT, Release, Time line log, Incident Zones, Photos, Sensitive Receptors, Evacuations, Source, Cause, and Weather.
- Reconnaissance Module – provides standard templates with the flexibility of adding any additional questions of values to the drop -down lists for targeted reconnaissance efforts. Typically the data in this module is associated with ESF-10 deployments and the clean-up of orphaned containers and hazardous debris, but the module can be utilized for any and all reconnaissance activities.
- Facility Assessment Module – provides standard templates with the flexibility of adding any additional questions of values to the drop-down lists for assessments of structures. Typically utilized for EPA-regulated program facilities during an ESF-10 deployment of resources. This module can be utilized to track the assessment of any facilities including multiple assessments of the fixed facilities.
- Shipping Module – provides standard templates for creating a cradle-to-grave record of all waste shipments from the site until they are recycled or destroyed. This includes the ability to capture manifest and manifest line items and upload photos/original documents to support the records.

- Container Module – provides standard templates for cataloguing containers including HAZCAT and Layer information in each container. The module also allows for tracking which containers are bulked.
- Properties Module – provides standard templates with the flexibility of adding any additional questions of values to the drop-down lists for collection of property data including access agreements and assessments of the property and current status of property regarding the site removal action.
- Materials Module – provides standard templates for tracking materials that are brought on-site or that are removed from the site.
- Daily Reports – provides standard templates for tracking daily site activities, daily site personnel, and daily site notes for reporting back to the EPA OSC in a POLREP or SITREP.
- HHW Module – provides standard templates with the flexibility of adding any additional questions of values to the drop-down lists for tracking the amount of HHW collected at individual collection stations by HHW type.
- Data Files – data files can be uploaded in the photo module section and be associated with individual records or with the site in general. The meta data associated with that data file can be filled in using the photo log fields.

The data stored in the Response Manager database can be viewed and edited by any individual with access rights to those functions. At anytime deemed necessary, POLREP and/or SITREPs can be generated by exporting the data out of Response Manager into Microsoft Excel/Word. The database is stored on a secure server and backed up regularly.

APPENDIX A

WESTON STANDARD OPERATING PROCEDURES

SOP	0110.05				
GROUP	Database Management System				
SUB-GROUP	Data Collection and Acquisition				
TITLE	Sample Nomenclature				
DATE	04/01/2010	FILE	0110.05.docx	PAGE	1 of 2

INTRODUCTION

The following Standard Operating Procedure (SOP) presents the sample nomenclature for analytical samples that will generate unique sample names compatible with most data management systems. The sample nomenclature is based upon specific requirements for the reporting of these results. A site specific data management plan should be prepared prior to sample collection.

PROCEDURE

SAMPLE NOMENCLATURE – SOIL AND SEDIMENT

Area of Concern – ID – Depth - Collection Type + QC Type

Where:

Area of Concern: A four-digit identifier used to designate the particular Area of Concern (AOC) that the location where the sample was collected.

ID: A three letter &/or digit identifier used to designate the particular location (i.e. grid A01, P06, or 055) in the AOC from which the sample was collected or the center of the composite sample.

Depth: A two-digit code used to designate what depth of sample was collected:

code	Assessment	Confirmation
00	0 to 0 Surface	N/A
03	0 to 3 inches	3 inches below original ground surface
06	3 to 6 inches	6 inches below original ground surface
12	6 to 12 inches	12 inches below original ground surface

Collection Type: A one-digit code used to designate what type of sample was collected:

1	Surface Water	6	Oil
2	Ground Water	7	Waste
3	Leachate	8	Other
4	Field QC/water sample	9	Drinking Water
5	Soil/Sediment		

QC Type: A one-digit code used to designate the QC type of the sample:

1	Normal
2	Duplicate
3	Rinsate Blank
4	Trip Blank
5	Field Blank
6	Confirmation, Normal
7	Confirmation, Duplicate

Examples:

- **2054-055-06-51:** Represents the normal soil sample collected from AOC 2054 at location 055 from 3 to 6 inches of depth.

SOP	0110.05				
GROUP	Database Management System				
SUB-GROUP	Data Collection and Acquisition				
TITLE	Sample Nomenclature				
DATE	04/01/2010	FILE	0110.05.docx	PAGE	1 of 2

- **2054-055-06-52:** Represents the duplicate soil sample collected from AOC 2054 at location 055 from 3 to 6 inches of depth.
- **2054-000-00-43:** Represents the rinsate sample from AOC 2054
- **2054-055-06-56:** Represents the normal soil sample collected from AOC 2054 at location 055 after 6 inches of material has been removed as the confirmation sample during removal.

NOTE: The depth is in relation to the original ground surface.

- **2054-055-06-43:** Represents the rinsate water sample collected after the last sample of the day if last sample was collected from AOC 2054 at location 055 from 3 to 6 inches of depth.

SAMPLE NOMENCLATURE – WATER (from fixed station or location to be sampled more than once)

WELL OR STATION – YYYYMMDD - Collection Type + QC Type

Where:

Well or Station: For Wells and boreholes always assume there will be 10 or more so Monitoring Well 1 becomes designated MW01 or MW-01. If it is anticipated that there will be over 100 wells designate Monitoring Well 1 as MW001 or MW-001.

YYYYMMDD: A four-digit year + two-digit month + two-digit day

Collection Type: A one-digit code used to designate what type of sample was collected and are shown on page 1.

QC Type: A one-digit code used to designate the QC type of the sample and are shown on page 1.

Examples:

- **MW01-20090226-21:** Represents the normal groundwater sample collected from Monitoring Well 1 on 26 February 2009.
- **MW01-20090226-44:** Represents the trip blank in the same ice chest as the groundwater sample in the previous collected from Monitor Well 1 on 02/26/2009. All trip blanks must have a sample ID and they must be unique and on the Chain-of -Custody.

SOP	1101.01				
GROUP	Sampling Handling				
SUB-GROUP	Sample Custody				
TITLE	Sample Custody in the Field				
DATE	10/26/2011	FILE	Document1	PAGE	1 of 2

INTRODUCTION

The following Standard Operating Procedure (SOP) presents procedures for maintaining sample chain of custody (COC) during activities where samples are collected.

PROCEDURE

Sample custody is defined as being under a person's custody if any of the following conditions exist:

- It is in their possession.
- It is in their view, after being in their possession.
- It was in their possession and currently located in locked area with the person claiming custody only having access to the area.
- It is in a designated secure area.

A designated field sample team member will be personally responsible for the care and custody of collected samples until the samples are transferred to another person or properly dispatched to the laboratory. To the extent practicable, as few people as possible will handle the samples.

Sample tags or labels will be completed and applied to the container of each sample. When the tags or labels are being completed, waterproof ink will be used. If waterproof ink is not used, the tags or labels will be covered by transparent waterproof tape. Sample containers may also be placed in Ziploc-type storage bags. These storage bags aid in keeping the sample container dry. Also, should the sample container break, the bag will aid to retain the sample container contents. Information typically included on the sample tags or labels will include the following:

- Project Code
- Station Number and Location
- Sample Identification Number
- Date and Time of Sample Collection
- Type of Laboratory Analysis Required
- Preservation Required, if applicable
- Collector's Signature
- Priority (optional)
- Anticipated Concentration Range (Low, Medium, or High)
- Other Remarks

Additional information may include:

- Sample Analysis Priority

A COC form will be completed each time a sample or group of samples is prepared for transfer to the laboratory. The form will repeat the information on each of the sample labels and will serve as

documentation of handling during shipment. The minimum information requirements of the COC form are listed in Table 1101.01-A. An example COC form is shown in Figure 1101.01-A. The completed COC must be reviewed by the Field Team Leader or Site Manager prior to sample shipment. The COC form will remain each sample shipping container at all times, and another copy will be retained by the member of the sampling team who originally relinquished the samples or in a project file.

Table 1101.01-A Chain of Custody Form

INFORMATION	COMPLETED BY	DESCRIPTION
COC	Laboratory	Enter a unique number for each chain of custody form
SHIP TO	Field Team	Enter the laboratory name and address
CARRIER	Field Team	Enter the name of the transporter (e.g., FedEx) or hand-carried
AIRBILL	Field Team	Enter the airbill number or transporter tracking number (if applicable)
PROJECT NAME	Field Team	Enter the project name
SAMPLER NAME	Field Team	Enter the name of the person collecting the samples
SAMPLER SIGNATURE	Field Team	Signature of the person collecting the samples
SEND RESULTS TO	Field Team	Enter the name and address of the prime contractor
FIELD SAMPLE ID	Field Team	Enter the unique identifying number given to the field sample (includes MS, MSD, field duplicate and field blanks)
DATE	Field Team	Enter the year and date the sample was collected in the format YYMMDD (e.g., 100119)
TIME	Field Team	Enter the time the sample was collected in 24 hour format (e.g., 0900)
MATRIX	Field Team	Enter the sample matrix (e.g., water, soil)
PRESERVATIVE	Field Team	Enter the preservative used (e.g., HNO ₃ , ice) or “none”
FILTERED/UNFILTERED	Field Team	Enter “F” if the sample was filtered or “U” if the sample was not filtered
CONTAINERS	Field Team	Enter the number of containers associated with the sample
MS/MSD	Field Team or Laboratory	Enter “X” if the sample is designated for the MS/MSD
ANALYSES REQUESTED	Field Team	Enter the method name of the analysis requested (e.g., SW6010A)
COMMENTS	Field Team	Enter comments
SAMPLE CONDITION UPON RECEIPT AT LABORATORY	Laboratory	Enter any problems with the condition of any sample(s)
COOLER TEMPERATURE	Laboratory	Enter the internal temperature of the cooler, in degrees C, upon opening
SPECIAL INSTRUCTIONS/ COMMENTS	Laboratory	Enter any special instructions or comments
RELEASED BY (SIG)	Field Team and Laboratory	Enter the signature of the person releasing custody of the samples
COMPANY NAME	Field Team and Laboratory	Enter the company name employing the person releasing/receiving custody
RECEIVED BY (SIG)	Field Team and Laboratory	Enter the signature of the person receiving custody of the samples
DATE	Field Team and Laboratory	Enter the date in the format M/D/YY (e.g., 6/3/96) when the samples were released/received
TIME	Field Team and Laboratory	Enter the date in 24 hour format (e.g., 0900) when the samples were released/received

SOP	1102.01				
GROUP	Sample Handling				
SUB-GROUP	Sample Shipping				
TITLE	Sample Shipping				
DATE	10/26/2011	FILE	1102-01.DOC	PAGE	1 of 1

INTRODUCTION

The following Standard Operating Procedure (SOP) presents the procedures for sample shipping that will be implemented during field work involving sampling activities.

TERMS

COC - Chain-of-Custody

PROCEDURE

Prior to shipping or transferring custody of samples, they will be packed according to DOT and/or IATA. Requirements with sufficient ice to maintain an internal temperature of $4^{\circ}\text{C} \pm 2^{\circ}\text{C}$ during transport to the laboratory. Samples relinquished to the participating laboratories will be subject to the following procedures for transfer of custody and shipment:

1. Samples will be accompanied by a COC record. When transferring possession of samples, the individuals relinquishing and receiving the samples will sign, date, and note the time of the sample transfer on the record. If sent by common carrier, a bill of lading or airbill should be used. Bill of lading and airbill receipts will be retained in the project file as part of the permanent documentation of sample shipping and transfer. This custody record documents transfer of sample custody from the sampler to another person or to the laboratory. The designated laboratory will accept custody in the field upon sample pick-up or at the laboratory if the samples are delivered via field personnel or a courier service.
2. Samples will be properly packed in approved shipping containers for laboratory pick-up by the appropriate laboratory for analysis, with separate, signed custody records enclosed in each sample box or cooler. Sample shipping containers will be padlocked or custody-sealed for transfer to the laboratory. The preferred procedure includes use of a custody seal wrapped across filament tape that is wrapped around the package at least twice. The custody seal will then be folded over and stuck to it so that the only access to the package is by cutting the filament tape or breaking the seal to unwrap the tape. The seal will then be signed. The designated laboratory will accept custody of the samples upon receipt.
3. Whenever samples are split with state representatives or other parties, the COC record will be marked to indicate with whom the samples were split.
4. The field sampler will call the designated laboratory to inform them of sample shipment and verify sample receipt as necessary.

SOP	1201.01				
GROUP	Decontamination				
SUB-GROUP	Sampling Equipment Decontamination				
TITLE	Sampling Equipment Decontamination				
DATE	10/26/2011	FILE	1201-01.DOC	PAGE	1 of 3

INTRODUCTION

The following Standard Operating Procedure (SOP) presents the methods used for minimizing the potential for cross-contamination, and provides general guidelines for sampling equipment decontamination procedures.

PROCEDURE

As part of the Health and Safety Plan (HASP), develop and set up a decontamination plan before any personnel or equipment enter the areas of potential exposure. The decontamination plan should include the following:

- The number, location, and layout of decontamination stations
- Which decontamination apparatus is needed
- The appropriate decontamination methods
- Methods for disposal of contaminated clothing, apparatus, and solutions

Decontamination Methods

Personnel, samples, and equipment leaving the contaminated area of a site will be decontaminated. Various decontamination methods will be used to either physically remove contaminants, inactivate contaminants by disinfection or sterilization, or both. The physical decontamination techniques appropriate for equipment decontamination can be grouped into two categories: abrasive methods and non-abrasive methods.

Abrasive Cleaning Methods

Abrasive cleaning methods work by rubbing/scrubbing the surface containing the contaminant. This method includes mechanical and wet blasting methods.

Mechanical cleaning methods use brushes of metal or nylon. The amount and type of contaminants removed will vary with the hardness of bristles, length of brushing time, and degree of brush contact.

Cleaning can also be accomplished by water blasting which is also referred to as steam cleaning and pressure washing. Pressure washing utilizes high-pressure that is sprayed from a nozzle onto sampling equipment to physically remove soil or (potentially) contaminated material. Steam cleaning is a modification of pressure washing where the water is heated to temperatures approaching 100°C to assist in removing organic constituents from equipment.

Disinfection/Rinse Methods

Disinfectants are a practical means of inactivating chemicals or contaminants of concern. Standard sterilization methods involve heating the equipment which is impractical for large equipment. Rinsing removes contaminants through dilution, physical attraction, and solubilization.

The use of distilled/deionized water commonly available from commercial vendors may be acceptable for decontamination of sampling equipment provided that it has been verified by laboratory analysis to be target analyte free. Tap water may be used from any municipal water treatment system for mixing of decontamination solutions. An untreated potable water supply is not an acceptable substitute for tap water. Acids and solvents are occasionally utilized in decontamination of equipment to remove metals and organics, respectively, from sampling equipment. Other than ethanol, these are avoided when possible due to the safety, disposal, and transportation concerns associated with them.

Equipment or apparatuses that may be selected for use include the following:

- Personal protective clothing.
- Non-phosphate detergent.
- Selected solvents for removal of polar and nonpolar organics (ethanol, methanol, and hexane).
- Acid washes for removal of metals (nitric acid).
- Long-handled brushes.
- Drop cloths or plastic sheeting.
- Paper towels.
- Galvanized tubs or buckets.
- Distilled, deionized, or tap water (as required by the project).
- Storage containers for spent wash solutions.
- Sprayers (pressurized and non-pressurized).
- Trash bags.
- Safety glasses or splash shield.

Field Sampling Equipment Cleaning Procedures

The following procedures should be followed:

1. Where applicable, follow physical removal procedures previously described (pressure wash, scrub wash).
2. Wash equipment with a non-phosphate detergent solution.
3. Rinse with tap water.
4. Rinse with distilled or deionized water.
5. Rinse with 10% nitric acid if the sample will be analyzed for metals/organics.
6. Rinse with distilled or deionized water.
7. Use a solvent rinse (pesticide grade) if the sample will be analyzed for organics.
8. Air dry the equipment completely.
9. Rinse again with distilled or deionized water.
10. Place in clean bag or container for storage/transport to subsequent sampling locations.

Selection of the solvent for use in the decontamination process is based on the contaminants present at the site. Solvent rinses are not necessarily required when organics are not a contaminant of concern and may be eliminated from the sequence specified below. Similarly, an acid rinse is not required if the analyses do not include inorganics. Use of a solvent is required when organic contamination is present on-site. Typical solvents used for removal of organic contaminants include acetone, ethanol, hexane, methanol, or water. An acid rinse step is required if metals are present on-site. If a particular contaminant fraction is not present at the site, the ten-step decontamination procedure listed above may be modified for site specificity.

Sampling equipment that requires the use of plastic tubing should be disassembled and the tubing replaced with clean tubing before commencement of sampling and between sampling locations. Plastic tubing should not be reused.

SOP	1501.01				
GROUP	Field Documentation				
SUB-GROUP					
TITLE	Field Logbook				
DATE	10/26/2011	FILE	1501-01.DOC	PAGE	1 of 3

INTRODUCTION

The following Standard Operating Procedure (SOP) presents the procedures for documenting activities observed or completed in the field in a field logbook. The documentation should represent all activities of WESTON personnel and entities under WESTON's supervision.

TERMS

FSP - Field Sampling Plan

SAP - Sampling and Analysis Plan

QAPP - Quality Assurance Project Plan

HASP - Health and Safety Plan

PROCEDURE

Field logbooks will be used and maintained during field activities to document pertinent information observed or completed by WESTON personnel or entities that WESTON is responsible for providing oversight. Field logbooks are legal documents that form the basis for later written reports and may serve as evidence in legal proceedings. The Site Manager or Field Team Leader will review field log entries daily and initial each page of entries. Field logbooks will be maintained by the Site Manager or Field Team Leader during field activities and transferred to the project files for a record of activities at the conclusion of the project. General logbook entry procedures are listed below.

- Logbooks must be permanently bound with all pages numbered to the end of the book. Entries should begin on page 1.
- Only use blue or black ink (waterproof) for logbook entries.
- Sign entries at the end of the day, or before someone else writes in the logbook.
- If a complete page is not used, draw a line diagonally across the blank portion of the page and initial and date the bottom line.
- If a line on the page is not completely filled, draw a horizontal line through the blank portion.
- Ensure that the logbook clearly shows the sequence of the day's events.
- Do not write in the margins or between written lines, and do not leave blank pages to fill in later.

- If an error is made, make corrections by drawing a single line through the error and initialing it.
- Maintain control of the logbook and keep in a secure location.

Field logbooks will contain, at a minimum, the following information, if applicable:

General Information

- Name, location of site, and work order number.
- Name of the Site Manager or Field Team Leader.
- Names and responsibilities of all field team members using the logbook (or involved with activities for which entries are being made).
- Weather conditions.
- Field observations.
- Names of any site visitors including entities that they represent.

Sample Collection Activities

- Date(s) and times of the sample collection or event.
- Number and types of collected samples.
- Sample location with an emphasis on any changes to documentation in governing documents (i.e., SAP, FSP). This may include measurements from reference points or sketches of sample locations with respect to local features.
- Sample identification numbers, including any applicable cross-references to split samples or samples collected by another entity.
- A description of sampling methodology, or reference to any governing document (i.e., FSP, SAP, QAPP).
- Summary of equipment preparation and decontamination procedures.
- Sample description including depth, color, texture, moisture content, and evidence of waste material or staining.
- Air monitoring (field screening) results.
- Types of laboratory analyses requested.

Site Health and Safety Activities

- All safety, accident, and/or incident reports.
- Real-time personnel air monitoring results, if applicable, or if not documented in the HASP.
- Heat/cold stress monitoring data, if applicable.
- Reasons for upgrades or downgrades in personal protective equipment.
- Health and safety inspections, checklists (drilling safety guide), meetings/briefings.

- Calibration records for field instruments.

Oversight Activities

- Progress and activities performed by contractors including operating times.
- Deviations of contractor activities with respect to project governing documents (i.e., specifications).
- Contractor sampling results and disposition of contingent soil materials/stockpiles.
- Excavation specifications and locations of contractor confirmation samples.

General site housekeeping and safety issues by site contractors.

SOP	1502.01				
GROUP	Field Documentation				
SUB-GROUP					
TITLE	Photograph Logs				
DATE	10/26/2011	FILE	1502-01.DOC	PAGE	1 of 2

INTRODUCTION

The following Standard Operating Procedure (SOP) presents the requirements for collecting information related to photo documentation of site activities.

FORMS

Blank Photograph Logs can be printed from WESTON On-Line from the Records Management Application. Selecting the Reports/Project Planning/Blank Photo Logs menu option will generate a project specific log with 36 entries.

PROCEDURE

Photographs

Unless specifically requested by the EPA Assignor, START-3 will document all site, sampling and special events using photographs. Photographs will be used so they can be electronically scanned for use in trip reports and other site deliverables. Slides will be taken only if specifically requested by the EPA Assignor.

START will use digital cameras, as available, from the START-3 office. This will eliminate film and processing costs and save labor by eliminating the need for scanning each photograph independently. If digital cameras are not available, standard 35mm cameras will be utilized.

Use of 35 mm Film

- Uniquely number each roll of film obtained for use.
- Record the following information for each negative exposed:
 1. Date and Time.
 2. Photographer Name.
 3. Witness Name.
 4. Orientation (Landscape, Portrait, or Panoramic).
 5. Description (including activity being performed, specific equipment of interest, sample location(s), compass direction photographer is facing).
- Record "NA" for the negatives not used if the roll is not completely used prior to development.
- Record unique roll number on receipt when film is submitted for development.

- Verify descriptions on log with negative numbers when photographs are received from processing.

All cameras should utilize a date stamp feature to document the date of the photography. Descriptions of the photograph subject, date, time, site name and location should be noted in the site log book which can be translated to photograph labels following developing. It is not necessary to record film speed, camera type or lens size for automatic cameras using standard settings. Special lenses, lens filters or other photograph enhancement features should be noted in the log book.

Video Tape

When requested on a TDD, START members will document site activities using hand-held video recorders. High quality videotapes will be utilized to accommodate future copying, dubbing and splicing activities. All video cameras should utilize the date stamp and video counter features to help identify if the film has been edited or altered.

SPECIFIC PROTOCOL

Adhere to the following protocol for both photographic and video documentation:

- Enter description of filming activities in the site log book documenting type of camera, time (military time) and date, filming individual, and orientation angle of the viewing angle.
- Print the site name, PCS number, and coverage dates on each roll of film/diskette/video tape that has been used.
- Submit film as necessary for processing to ensure that all information on the developing envelope is complete.
- If film is not processed in a timely manner, notify the vendor immediately.
- Label all photographs/video with information including the project PCS#, site name, site location, date and time, description of photograph, and photographer.
- Store all site negatives, original videos or diskettes in the official site file.
- Be objective for all photographs/video. Ensure the purpose of the photograph is entered into the site log (e.g., documenting labels for enforcement, or condition of neighboring properties prior to the initiation of a removal action, or documenting an exposure pathway).

SOP	1502.02			
GROUP	Field Documentation			
SUB-GROUP				
TITLE	Photograph Management and Reporting			
DATE	4/30/02	FILE	1502-02.DOC	PAGE 1 OF 1

INTRODUCTION

The following Standard Operating Procedure (SOP) presents the requirements for managing and reporting information related to photographic documentation of site activities.

PROCEDURE

Enter the Photograph Log information specified in SOP 1502.01 into WESTON On-Line *Records Management Application*. The data entry screen can be accessed by selecting the *Data/Photograph Log* menu option.

REPORTS

Complete Photograph Logs can be printed from WESTON On-Line from the *Records Management Application*. Selecting the *Reports/Summary Tables/Photographs/Logs* menu option will generate a specific log for a selected roll of film.

Photograph Templates can be printed from WESTON On-Line from the *Records Management Application*. Selecting the *Reports/Summary Tables/Photographs/Templates* menu option will generate templates for mounting the photographs for a selected roll of film.

SOP	1002.01				
GROUP	Sampling Procedures				
SUB-GROUP	Surface Water				
TITLE	Surface Water Sampling				
DATE	11/19/2001	FILE	1002-01.DOC	PAGE	1 of 3

INTRODUCTION

The following Standard Operating Procedure (SOP) is to describe the procedures for collecting representative surface water samples. Analysis of surface samples may determine whether concentrations of specific soil pollutants exceed established action levels, or if the concentrations of pollutants present a risk to public health, welfare, or the environment.

PROCEDURE

Surface water samples may be collected using a variety of methods and equipment. The methods and equipment used are usually dependent on the location of the body of water being sampled. Sampling can be performed by merely submerging the sample container, a weighted-bottle sampler with stopper, a bailer, or by pump assisted methods. Several types of pumps can be used for sampling depending on the objectives of sampling and the site conditions.

Sample Preservation

Samples are to be preserved in conformance with the site-specific Quality Assurance Project Plan, Sampling and Analysis Plan or work plan. In general these requirements include refrigeration to 4°C, addition of appropriate additives (HCl, H₂SO₄, NaOH) to adjust and fix pH, and a defined maximum holding time. If a site-specific plan is not available, the analytical laboratory should be consulted for the appropriate preservation procedures.

Interferences and Potential Problems

There are two primary interferences or potential problems associated with surface water sampling: cross-contamination of samples and improper sample collection. Cross-contamination problems can be eliminated or minimized through the use of dedicated sampling equipment. If this is not possible or practical, then decontamination of sampling equipment is necessary. Improper sample collection can involve using contaminated equipment, undue disturbance of the sample matrix, or improper sample location.

Equipment or Apparatus

- Ziploc plastic bags
- Logbook
- Labels
- Chain-of-custody forms and seals
- Coolers
- Ice
- Decontamination supplies and equipment
- Discharge tubing
- Sample containers
- Sampling devices

SOP	1002.01				
GROUP	Sampling Procedures				
SUB-GROUP	Surface Water				
TITLE	Surface Water Sampling				
DATE	11/19/2001	FILE	1002-01.DOC	PAGE	2 of 3

Preparation

1. Determine the extent of the sampling effort, the sampling methods to be employed, and which equipment and supplies are required.
2. Obtain necessary sampling and monitoring equipment.
3. Decontaminate or pre-clean equipment, and ensure that it is in working order.
4. Prepare schedules, and coordinate with staff, client, and regulatory agencies, if appropriate.
5. Perform a general site survey prior to site entry in accordance with the site-specific health and safety plan.

Surface Water Sampling

Samples from shallow depths can be readily collected by merely submerging the sample container. In flowing surface water bodies, the container's mouth should be positioned so that it faces upstream, while the sampling personnel stand downstream so as not to stir up sediment that could potentially contaminate the sample.

Collecting a representative sample from a larger body of surface water requires that samples be collected near the shore unless boats are feasible and permitted. If boats are used, the body of water should be cross sectioned, and samples should be collected at various depths across the body of water in accordance with the specified sampling plan. For this type of sampling, a weighted-bottle sampler is used to collect samples at a predetermined depth. The sampler consists of a glass bottle, a weighted sinker, a bottle stopper, and a line that is used to open the bottle and to lower and raise the sampler during sampling. The procedure for use is as follows:

- Assemble the weighted bottle sampler.
- Gently lower the sampler to the desired depth so as not to remove the stopper prematurely.
- Pull out the stopper with a sharp jerk of the sampler line.
- Allow the bottle to fill completely, as evidenced by the cessation of air bubbles.
- Raise the sampler and cap the bottle.
- Wipe the bottle clean. The sampling bottle can be also be used as the sample container for shipping.

Teflon bailers have also been used where feasible for collecting samples in deep bodies of water.

SOP	1002.01				
GROUP	Sampling Procedures				
SUB-GROUP	Surface Water				
TITLE	Surface Water Sampling				
DATE	11/19/2001	FILE	1002-01.DOC	PAGE	3 of 3

Another method of extending the reach of sampling efforts is the use of a small peristaltic pump. In this method the sample is drawn through heavy-wall Teflon tubing and pumped directly into the sample container. This system allows the operator to reach into the liquid body, sample from depth, or sweep the width of narrow streams.

The general sampling procedures are listed below:

1. Collect the sample using whichever technique, submerged bottle, bottle sampler with stopper, pump & tubing, or bailer.
2. The collected sample may be collected in the sample containers or may be transferred to the appropriate sample containers in order of the volatile organics first and inorganics last.
3. Label sample containers, place on ice in a cooler, remove, and decontaminate equipment as necessary.

REFERENCES

SOP 0110.01 Sample Nomenclature
SOP 1005.01 Field Duplicate Collection
SOP 1005.02 Rinse Blank Preparation
SOP 1005.03 Field Blank Preparation
SOP 1101.01 Sample Custody - Field
SOP 1102.01 Sample Shipping
SOP 1201.01 Sampling Equipment Decontamination
SOP 1501.01 Field Logbook

SOP	1003.03				
GROUP	Sampling Procedures				
SUB-GROUP	Waste Sampling Procedures				
TITLE	Tank Sampling				
DATE	4/1/2010	FILE	1003-03.DOC	PAGE	1 of 3

INTRODUCTION

The following Standard Operating Procedure (SOP) describes the procedures for collecting representative waste samples from tanks. Samples may be collected from tanks to characterize the materials contained in the tanks and determine whether specific pollutants are present. This SOP applies to sampling tanks above and below ground and similar confined spaces from outside the vessel.

PROCEDURE

This SOP was developed based on operating procedures recommended by the U. S. Environmental Protection Agency in the *Compendium of Emergency Response Team Waste Sampling Procedures* (EPA, 1991).

Equipment

A representative sample may be obtained from a tank or similar confined space using a variety of procedures and equipment. Depending on the type of vessel and the characteristics of the material to be sampled, sampling equipment such as a bailer, glass thief, bacon bomb sampler, sludge judge, COLIWASA, and subsurface grab sampler may be applicable. For sampling depths of less than 5 feet, a bailer, COLIWASA, or sludge judge are recommended. For deeper sampling, a sludge judge, bacon bomb sampler, subsurface grab sampler, or bailer are recommended. Applicable equipment for tank sampling may be selected from the following list, as appropriate:

- Personal protective equipment and clothing
- tape measure
- weighted tape or line
- camera/film
- stainless steel bowl or bucket
- sample containers
- ziploc bags
- logbook
- labels
- flashlight (explosion proof)
- coolers
- ice
- decontamination supplies
- bacon bomb sampler
- sludge judge
- glass thief
- bailer
- COLIWASA
- subsurface grab sampler
- water/oil level indicator
- air monitoring equipment
- explosimeter/oxygen meter
- high volume blower

Presampling Planning and Precautions

A variety of methods may be used, depending on the tank or vessel to be sampled and the equipment selected. The general procedure for sampling tanks will be as follows:

1. Prepare for the sampling activities to be performed. Preparation activities will include determination of the extent of the sampling effort, obtaining necessary equipment and supplies, decontaminating equipment prior to use, and performing a site survey.

SOP	1003.03				
GROUP	Sampling Procedures				
SUB-GROUP	Waste Sampling Procedures				
TITLE	Tank Sampling				
DATE	4/1/2010	FILE	1003-03.DOC	PAGE	2 of 3

2. Conduct a preliminary inspection. Preliminary inspection activities will include examination of external tank features and examination of potential sampling points for safety, accessibility, and sample quality potential. As part of the preliminary inspection, the sampling team will review safety procedures, ensure that the tank is properly grounded, and remove potential sources of ignition from the area. Tank mounting/access features should be inspected for safety, and manway covers should be removed using nonsparking tools.

3. Conduct air monitoring activities for each potential sample locations. Air monitoring for explosive/combustive conditions and organic vapor content will be performed in accordance with the site-specific health and safety plan.

4. Clear the tank head space of any toxic or explosive vapors using a high volume blower, as necessary, in accordance with the site-specific safety plan.

Sampling Procedures

1. Determine the depth of any and all liquid-solid interfaces and the thickness of each layer in the tank using a weighted tape measure, probe line, sludge judge or equivalent piece of equipment.

2. Collect samples from the tank by lowering the selected tool into the tank. In general, collect liquid samples from 1 foot below the surface, from mid depth, and from 1 foot above the top of the bottom sludge layer using a subsurface grab sampler, bailer, or bacon bomb sampler as appropriate. A COLIWASA or glass thief may be used for liquids at less than 5 feet depth. In general, collect samples from each compartment of the tank if the vessel has multiple compartments. Particular instructions may apply for each particular sampling tool. Samples should always be collected from an open hatch at the top of the tank, not through valves which have questionable or unknown integrity. The number and location of samples for collection will depend on the site-specific sampling and analysis plan and/or contract.

If required:

3. Compare the three samples from different layers in the tank for phase differences, and describe the samples in the logbook.

4. Collect sludges using a bacon bomb sampler, glass thief, sludge judge, or similar apparatus. Observe the samples and record a sample description in the field logbook.

5. Measure the outside diameter of the tank and determine the volume of the wastes in the tank using the depth measurements and observations from sampling.

6. Decontaminate the sampling equipment in accordance with the site-specific sampling plan and SOP No. 1201.01.

SOP	1003.03				
GROUP	Sampling Procedures				
SUB-GROUP	Waste Sampling Procedures				
TITLE	Tank Sampling				
DATE	4/1/2010	FILE	1003-03.DOC	PAGE	3 of 3

Sample Preparation

1. Samples collected from tanks are considered waste samples and as such do not require preservation with specific chemicals. Preservation with chemicals will be avoided to avoid possible reaction between the tank sample and the preservation chemicals.
2. Waste samples collected from tanks will be placed in clean sample containers. These sample containers will be properly labeled to identify the samples.
3. The sample containers will be placed in ziploc bags.
4. If the samples are believed to be hazardous (based on process knowledge or field monitoring results), the bagged sample containers will be placed in one gallon cans. The remaining space in the cans will be filled with absorbent materials. The cans will be sealed with a lid.
5. The samples will then be placed within coolers and cooled with ice to approximately 4 degrees Celsius.
6. Chain of custody and sample shipping procedures will be completed in accordance with SOP No. 1102.01.

REFERENCE

U. S. Environmental Protection Agency, 1991. *Compendium of ERT Waste Sampling Procedures*, EPA/540/p-91/008, OSWER Directive 9360.4-07, SOP #2010.

ATTACHMENT I

POLLUTION REPORTS (POLREPs)

Please contact the EPA OSC for subsequent and Final POLREPs.

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Southwest Rice Mill - Removal Polrep



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VI**

Subject: **POLREP #1**
 Initial
 Southwest Rice Mill

 Crowley, LA
 Latitude: 30.2026600 Longitude: -92.3836200

To: Ragan Broyles, Superfund Division
 Jeff Meyers, LDEQ
 Dana Tulis, U.S. EPA HQ

From: Steve Mason, OSC

Date: 5/30/2011

Reporting Period: Activities through May 29, 2011

1. Introduction

1.1 Background

Site Number:	Contract Number:	
D.O. Number:	Action Memo Date:	
Response Authority: CERCLA/OPA	Response Type:	Emergency
Response Lead: EPA	Incident Category:	Removal Action
NPL Status:	Operable Unit:	
Mobilization Date: 5/29/2011	Start Date:	5/29/2011
Demob Date:	Completion Date:	
CERCLIS ID:	RCRIS ID:	
ERNS No.:	State Notification:	Yes
FPN#: E11620	Reimbursable Account #:	

1.1.1 Incident Category

Other - Inactive Abandoned Tank

1.1.2 Site Description

1.1.2.1 Location

The spill scene occurred on vacant property located near 1504 West Mill Street in Crowley, Acadia Parish, Louisiana (30.20266 latitude, -92.38375 longitude). The site is situated along a spur of the Southern Pacific railroad and immediately east of a commercial rice business (Southwest Rice Mill). The site is reported to be the former location of a agricultural fertilizer business however no buildings or other permanent structures are present on the property. An LDEQ representative conducted a property owner search of the Acadia Parish Tax Assessor's online records. No current property owners were identified in the Acadia Parish records.

1.1.2.2 Description of Threat

A 20,000 gallon aboveground storage tank was damaged by a Southwest Rice Mill employee while clearing adjacent drainage ditches. The damage resulted the the oily contents of the tank spilling into the drainage ditch and then entering Bayou Blanc. The affected area of the drainage ditch is estimated to be approximately 0.25 mile. The affected area of Bayo Blanc is approximately 1.3 miles. The release was reported on May 28, 2011. The amount of material within the storage tank at the time of the spill is unknown.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Not applicable.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.1.1 Current situation

The site is an empty commerical lot approximately 250 ft. by 200 ft. with a 20,000 aboveground storage tank situated near the northeast corner of the property. No other structures are on the property. The Louisiana State Police, Crowley Fire Department and the Louisiana Department of Environmental Quality intially responded to the spill scene. The current property owner has not be identified. An employee of Southwest Rice Mill stated the he damaged the storage tank while attempting to clear adjacent drainage ditches. The employee of Southwest Rice Mill refused to accept full responsiblilty of the incident, however he did contract Triad Emergency Response Contractors on May 29, 2011 to deploy containment boom in Bayou Blanc. LDEQ submitted a formal request for EPA assistance after Southwest Rice Mill company refused cleanup liability.

2.1.2 Response Actions to Date

Triad Emergency Response Contractors deployed containment boom within Bayou Blanc to isolate the spill area. EPA initiated the ERRS contractor, EQM, to mobilize to the spill scene on May 30,2011 and begin emergency clean up activities.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

No property owner has been identified. An employee of Soutwest Rice Mill stated that he damaged the storage tank which resulted in the release of the oily material.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

2.2 Planning Section

2.2.1 Anticipated Activities

2.2.1.1 Planned Response Activities

EPA OSC and EPA ERRS contractors will mobilize to the spill scene on Monday, May 30, 2011 to assess the scene and determine level of effort required to conduct clean up activities.

2.2.1.2 Next Steps

TBD

2.2.2 Issues

2.3 Logistics Section

2.4 Finance Section

2.5 Safety Officer

2.6 Liaison Officer

2.7 Information Officer

3. Participating Entities

3.1 Unified Command

3.2 Cooperating and Assisting Agencies

Louisiana Department of Environmental Quality
Crowley Fire Department

4. Personnel On Site

2 START contractors

5. Definition of Terms

6. Additional sources of information

6.1 Internet location of additional information/reports

6.2 Reporting Schedule

7. Situational Reference Materials

ATTACHMENT J

WASTE MANIFESTS

BODIN OIL RECOVERY, INC.
18101 W. LA. HWY. 330
ABBEVILLE, LA. 70510
Ph. (337) 893-3972 or 1-800-624-1991

USED OIL FUEL MANIFEST

No 59520

I hereby certify that the below named material is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged, and is proper condition for transportation according to applicable regulations.

GENERATOR	TRANSPORTATION MANIFEST		Generator's US EPA ID No.	P.O. #	Page 1 of
	Generator's Name and Physical Address US EPA/Southwest Rice Mill Site 1504 West Mill St, Crowley, LA 70526		Mailing Address	Generator's Signature <i>[Signature]</i>	
	Generator's Phone (214) 789-2879			Date 6-3-11	Time 1430
			QUANTITY	PRICE	AMOUNT
	Description Used Oil Fuel, Recyclable, Reusable Gallons/Barrels 7270.3				
	(___ % Solids ___ % Water ___ % Emulsion) % B.S. & W.				
FACILITY	Gallons/Barrels B.S. & W.				
	Gallons/Barrels Net Used Oil Fuel.				
	EMERGENCY NUMBER PERS 1-800-633-8253		Halogen Test _____ p.p.m.	TOTAL	

TRANSPORTER	
Transporter Name BODIN OIL RECOVERY, INC.	Driver Name (Print) <i>CARL VALLAT</i>
Address 18101 W. LA. Hwy. 330	Vehicle License No./State <i>074</i>
ABBEVILLE, LA. 70510	US EPA ID Number or Other Vehicle Certification LAD 98 105 9850
I hereby certify that the above named material was picked up at the generator site listed above.	
I hereby certify that the above named material was delivered without incident to the destination listed below.	
Driver Signature _____	Driver Signature _____
Date <i>6-3-11</i> Time _____	Date _____ Time _____

DESTINATION		
Storage Facility Name and Site Address	US EPA ID Number	State Facility's ID
		Facility's Phone
Final Designated Facility Name and Site Address BODIN OIL RECOVERY, INC. 18101 W. LA. HWY. 330 ABBEVILLE, LA. 70510	US EPA ID Number LAD 98 105 9850	State Facility's ID
		Facility's Phone (337) 893-3972
Facility Owner or Operator Certification of Receipt of Materials Covered by this Manifest		
Printed, Type Name	Signature	Month Day Year

BODIN OIL RECOVERY, INC.
18101 W. LA. HWY. 330
ABBEVILLE, LA. 70510
Ph. (337) 893-3972 or 1-800-624-1991

USED OIL FUEL MANIFEST

No 59519

I hereby certify that the below named material is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged, and is proper condition for transportation according to applicable regulations.

GENERATOR	TRANSPORTATION MANIFEST		Generator's US EPA ID No.	P.O. #	Page 1 of
	Generator's Name and Physical Address USEPA/Southwest Rice Mill Site 1504 West Mill St, Crowley, LA 70526 Generator's Phone (214)-789-2879		Mailing Address	Generator's Signature <i>[Signature]</i>	Date 6-5-11
	Description Used Oil Fuel, Recyclable, Reusable		Gallons/Barrels 190	PRICE	AMOUNT
	(___ % Solids ___ % Water ___ % Emulsion)		% B.S. & W.		
	Gallons/Barrels B.S. & W.				
FACILITY	EMERGENCY NUMBER PERS 1-800-633-8253		Gallons/Barrels Net Used Oil Fuel.		
	Halogen Test _____ p.p.m.		TOTAL		

TRANSPORTER	
Transporter Name BODIN OIL RECOVERY, INC.	Driver Name (Print) <i>Ronnie [unclear]</i>
Address 18101 W. LA. Hwy. 330	Vehicle License No./State <i>D191341</i>
ABBEVILLE, LA. 70510	US EPA ID Number or Other Vehicle Certification LAD 98 105 9850
I hereby certify that the above named material was picked up at the generator site listed above.	
I hereby certify that the above named material was delivered without incident to the destination listed below.	
Driver Signature <i>[Signature]</i>	Driver Signature
Date <i>6-5-11</i> Time	Date Time

DESTINATION		
Storage Facility Name and Site Address	US EPA ID Number	State Facility's ID
		Facility's Phone
Final Designated Facility Name and Site Address BODIN OIL RECOVERY, INC. 18101 W. LA. HWY. 330 ABBEVILLE, LA. 70510	US EPA ID Number LAD 98 105 9850	State Facility's ID Facility's Phone (337) 893-3972
Facility Owner or Operator Certification of Receipt of Materials Covered by this Manifest		
Printed, Type Name	Signature	Month Day Year

BODIN OIL RECOVERY, INC.
18101 W. LA. HWY. 330
ABBEVILLE, LA. 70510
Ph. (337) 893-3972 or 1-800-624-1991

USED OIL FUEL MANIFEST

No 59523

I hereby certify that the below named material is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged, and is proper condition for transportation according to applicable regulations.

GENERATOR	TRANSPORTATION MANIFEST		Generator's US EPA ID No.		P.O. #		Page 1 of	
	Generator's Name and Physical Address USEPA/Southwest Rice Mill Site 1504 West Mill St, Crowley, LA 70526 Generator's Phone (214) 789-2879			Mailing Address		Generator's Signature <i>[Signature]</i>		
						Date 6/13/2011		
						Time 1:20		
	Description			QUANTITY	PRICE	AMOUNT		
	Used Oil Fuel, Recyclable, Reusable			Gallons/Barrels				
	(2% Solids 70% Water 8% Emulsion)			% B.S. & W.				
	Gallons/Barrels B.S. & W.							
	EMERGENCY NUMBER PERS 1-800-633-8253			Gallons/Barrels Net Used Oil Fuel.				
	Halogen Test			200	p.p.m.	TOTAL		

TRANSPORTER			
Transporter Name		BODIN OIL RECOVERY, INC.	
Address		18101 W. LA. Hwy. 330 ABBEVILLE, LA. 70510	
I hereby certify that the above named material was picked up at the generator site listed above.		I hereby certify that the above named material was delivered without incident to the destination listed below.	
Driver Name (Print)		Jordan R. Boudin	
Vehicle License No./State		LA 200145	
US EPA ID Number or Other Vehicle Certification		LAD 98 105 9850	
Driver Signature		Driver Signature	
Date		Date	
Time		Time	

DESTINATION			
Storage Facility Name and Site Address		US EPA ID Number	State Facility's ID
			Facility's Phone
Final Designated Facility Name and Site Address		US EPA ID Number	State Facility's ID
BODIN OIL RECOVERY, INC. 18101 W. LA. HWY. 330 ABBEVILLE, LA. 70510		LAD 98 105 9850	Facility's Phone
			(337) 893-3972
Facility Owner or Operator Certification of Receipt of Materials Covered by this Manifest			
Printed, Type Name		Signature	Month Day Year

BODIN OIL RECOVERY, INC.
18101 W. LA. HWY. 330
ABBEVILLE, LA. 70510
Ph. (337) 893-3972 or 1-800-624-1991

USED OIL FUEL MANIFEST

№ 59521

I hereby certify that the below named material is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged, and is proper condition for transportation according to applicable regulations.

GENERATOR	TRANSPORTATION MANIFEST		Generator's US EPA ID No.		P.O. #		Page 1 of		
	Generator's Name and Physical Address USEPA/Southwest Rice Mill Site 1504 West Mill St, Crowley, LA 70526 Generator's Phone (214)-789-2879			Mailing Address		Generator's Signature <i>James Bouite</i>			
						Date		Time	
FACILITY	Description Used Oil Fuel, Recyclable, Reusable (___ % Solids ___ % Water ___ % Emulsion)			1,680 Gallons/Barrels		40			
EMERGENCY NUMBER PERS 1-800-633-8253			Gallons/Barrels Net Used Oil Fuel.						
			Halogen Test _____ p.p.m.				TOTAL		
TRANSPORTER									
Transporter Name BODIN OIL RECOVERY, INC.			Driver Name (Print) James Bouite						
Address 18101 W. LA. Hwy. 330 ABBEVILLE, LA. 70510			Vehicle License No./State LA / P198552						
			US EPA ID Number or Other Vehicle Certification LAD 98 105 9850						
I hereby certify that the above named material was picked up at the generator site listed above.			I hereby certify that the above named material was delivered without incident to the destination listed below.						
Driver Signature			Driver Signature <i>James Bouite</i>						
Date _____ Time _____			Date 6-15-11 Time _____						
DESTINATION									
Storage Facility Name and Site Address			US EPA ID Number			State Facility's ID			
						Facility's Phone			
Final Designated Facility Name and Site Address BODIN OIL RECOVERY, INC. 18101 W. LA. HWY. 330 ABBEVILLE, LA. 70510			US EPA ID Number LAD 98 105 9850			State Facility's ID			
						Facility's Phone (337) 893-3972			
Facility Owner or Operator Certification of Receipt of Materials Covered by this Manifest									
Printed, Type Name			Signature			Month Day Year			

LA FILTER RECYCLING, L.L.C.

NON-HAZARDOUS WASTE MANIFEST

Nº L 10835

GENERATOR	Generator Agent or Contactor
Generator Name & Mailing Address USEPA Region 6, 1445 Ross Ave, Suite 1200 (6SP-FR), Dallas, TX 75202	Charge to Company & Mailing Address if different from Generator Environmental Quality Management 1800 Carillon Blvd, Cincinnati, OH 45240
Generator Location 1504 W Mill St., Crowley, LA 70526	Physical Address
Contact person Greg Pife	Contact person Mark Douglas
Phone 214-789-2879	Phone 513-309-3062
Order Number	Job Number
Generator's EPA ID Number (if applicable)	Comments

Description of Waste	Quantity (each)	Drum Size	Type	Type Description
Oil Pads	25	CY	Box	Bag
				Box (Cutting Box)
				Drum
				Tote (Tote Tank)
Oil Contaminated Absorbent				Other

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged in proper condition for transportation according to federal and state regulations.

Generator Authorized Agent Name (Print)

Signature

Transporter

Transporter and Address Andrius & Co.	Phone
	Vehicle License or Identification #
Driver Name (Print) Karl's Transport	U.S. EPA I.D. or Vehicle Certification #
I hereby certify that the above named material was picked up at the generator's location listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Transporter Signature upon pick-up	Transporter Signature after Delivery
Date	Date

DESTINATION

Facility Name & Address	Phone
	U.S. EPA I.D. or Vehicle Certification #
	State Registration # (if applicable)
Facility Operator Certification of Receipt of Materials Covered by this Manifest	
Facility Authorized Agent (Print)	Signature
	Date

LA FILTER RECYCLING, L.L.C.

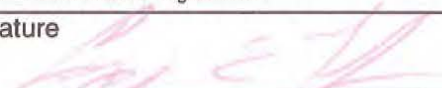
NON-HAZARDOUS WASTE MANIFEST

Nº L 10836

GENERATOR		Generator Agent or Contactor	
Generator Name & Mailing Address USEPA Region 6, 1445 Ross Ave, Suite 1200 (6SP-PR), Dallas, TX 75202		Charge to Company & Mailing Address if different from Generator Environmental Quality Management 1800 Carillon Blvd, Cincinnati, OH 45240	
Generator Location 1504 W Mill St., Crowley, LA 70526		Physical Address	
Contact person Greg Fife		Contact person Mark Douglas	
Phone 214-789-2879		Phone 513-309-3062	
Order Number		Job Number	
Generator's EPA ID Number (if applicable)		Comments	

Description of Waste	Quantity (each)	Drum Size	Type	Type Description
Oil Pads & Debris	25	cy	Box	Bag
				Box (Cutting Box)
				Drum
				Tote (Tote Tank)
Oil Contaminated Absorbent				Other

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged in proper condition for transportation according to federal and state regulations.

Generator Authorized Agent Name (Print) Gregory E. Fife	Signature  6-6-11
--	--

Transporter	
Transporter and Address	Phone
	Vehicle License or Identification #
Driver Name (Print) Kendrick B. Bland	U.S. EPA I.D. or Vehicle Certification #
I hereby certify that the above named material was picked up at the generator's location listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Transporter Signature upon pick-up Kendrick B. Bland 6-6-11	Transporter Signature after Delivery Date

DESTINATION	
Facility Name & Address	Phone
	U.S. EPA I.D. or Vehicle Certification #
	State Registration # (if applicable)
Facility Operator Certification of Receipt of Materials Covered by this Manifest	
Facility Authorized Agent (Print)	Signature Date

LA FILTER RECYCLING, L.L.C.

NON-HAZARDOUS WASTE MANIFEST

Nº L 10831

GENERATOR		Generator Agent or Contactor	
Generator Name & Mailing Address USEPA Region 6, 1445 Ross Ave, Suite 1200 (6SP-PR), Dallas, TX 75202		Charge to Company & Mailing Address if different from Generator Environmental Quality Management 1800 Carillon Blvd, Cincinnati, OH 45240	
Generator Location 1504 W Mill St., Crowley, LA 70526		Physical Address	
Contact person Greg Rife		Contact person Mark Douglas	
Phone 214-789-2879		Phone 513-309-3062	
Order Number		Job Number	
Generator's EPA ID Number (if applicable)		Comments	

Description of Waste	Quantity (each)	Drum Size	Type	Type Description
Debris	300	Box		Bag
				Box (Cutting Box)
				Drum
				Tote (Tote Tank)
Oil Contaminated Absorbent				Other

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged in proper condition for transportation according to federal and state regulations.

Generator Authorized Agent Name (Print) Gregory E. Fife	Signature <i>[Signature]</i> 6-5-11
--	--

Transporter	
Transporter and Address LA Filter Recycling	Phone
	Vehicle License or Identification # 54
Driver Name (Print) Kendrick S. Seward	U.S. EPA I.D. or Vehicle Certification #
I hereby certify that the above named material was picked up at the generator's location listed above.	
Transporter Signature upon pick-up	Date
I hereby certify that the above named material was delivered without incident to the destination listed below.	
Transporter Signature after Delivery	Date

DESTINATION	
Facility Name & Address	Phone
	U.S. EPA I.D. or Vehicle Certification #
	State Registration # (if applicable)
Facility Operator Certification of Receipt of Materials Covered by this Manifest	
Facility Authorized Agent (Print)	Signature
	Date

LA FILTER RECYCLING, L.L.C.

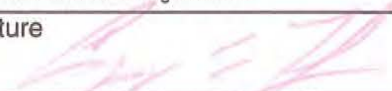
NON-HAZARDOUS WASTE MANIFEST

N9 L 10832

GENERATOR	Generator Agent or Contactor
Generator Name & Mailing Address USEPA Region 6, 1445 Ross Ave, Suite 1200 (68F-PR), Dallas, TX 75202	Charge to Company & Mailing Address if different from Generator Environmental Quality Management 1800 Carillon Blvd, Cincinnati, OH 45240
Generator Location 1504 W Mill St., Crowley, LA 70526	Physical Address
Contact person Greg Fife	Contact person Mark Douglas
Phone 214-789-2879	Phone 513-309-3062
Order Number	Job Number
Generator's EPA ID Number (if applicable)	Comments

Description of Waste	Quantity (each)	Drum Size	Type	Type Description
Debris (oil contaminated)	30 cubic box			Bag
				Box (Cutting Box)
				Drum
				Tote (Tote Tank)
Oil Contaminated Absorbent				Other

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged in proper condition for transportation according to federal and state regulations.

Generator Authorized Agent Name (Print) Gregory E. Fife	Signature  6-10-11
--	---

Transporter	
Transporter and Address LA Filter Rec.	Phone
	Vehicle License or Identification # 59
Driver Name (Print) Rudolph Jackson	U.S. EPA I.D. or Vehicle Certification #
I hereby certify that the above named material was picked up at the generator's location listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Transporter Signature upon pick-up Date	Transporter Signature after Delivery Date

DESTINATION	
Facility Name & Address	Phone
	U.S. EPA I.D. or Vehicle Certification #
	State Registration # (if applicable)
Facility Operator Certification of Receipt of Materials Covered by this Manifest	
Facility Authorized Agent (Print)	Signature Date

LA FILTER RECYCLING, L.L.C.

NON-HAZARDOUS WASTE MANIFEST

Nº L 10841

GENERATOR	Generator Agent or Contactor
Generator Name & Mailing Address USEPA Region 6, 1445 Ross Ave, Suite 1200 (6SF-PR), Dallas, TX 75202	Charge to Company & Mailing Address if different from Generator Environmental Quality Management 1800 Carillon Blvd, Cincinnati, OH 45240
Generator Location 1504 W Mill St., Crowley, LA 70526	Physical Address
Contact person Greg Fife	Contact person Mark Douglas
Phone 214-789-2879	Phone 513-309-3062
Order Number	Job Number
Generator's EPA ID Number (if applicable)	Comments

Description of Waste	Quantity (each)	Drum Size	Type	Type Description
Oil Contaminated Debris	30	Box		Bag
				Box (Cutting Box)
				Drum
				Tote (Tote Tank)
Oil Contaminated Absorbent				Other

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged in proper condition for transportation according to federal and state regulations.

Generator Authorized Agent Name (Print) Gregory E. Fife	Signature <i>Gregory E. Fife</i> 6-10-11
--	---

Transporter	
Transporter and Address LA Filter Recycling, LLC 18101 W LA Hwy 330 Abbeville, LA 70510	Phone 337-898-9368
	Vehicle License or Identification #
Driver Name (Print) KENDALE B. GARNER	U.S. EPA I.D. or Vehicle Certification # LAR000057588
I hereby certify that the above named material was picked up at the generator's location listed above.	
I hereby certify that the above named material was delivered without incident to the destination listed below.	
Transporter Signature upon pick-up <i>Kendal B. Garner</i> 6-10-11	Transporter Signature after Delivery Date

DESTINATION	
Facility Name & Address LA Filter Recycling, LLC 18101 W LA Hwy 330 Abbeville, LA 70510	Phone 337-898-9368
	U.S. EPA I.D. or Vehicle Certification # LAR000057588
	State Registration # (if applicable)
Facility Operator Certification of Receipt of Materials Covered by this Manifest	
Facility Authorized Agent (Print)	Signature Date

LA FILTER RECYCLING, L.L.C.

NON-HAZARDOUS WASTE MANIFEST

Nº L 10840

GENERATOR	Generator Agent or Contactor
Generator Name & Mailing Address USEPA Region 6, 1445 Ross Ave, Suite 1200 (GSP-PR), Dallas, TX 75202	Charge to Company & Mailing Address if different from Generator Environmental Quality Management 1800 Carillon Blvd, Cincinnati, OH 45240
Generator Location 1504 W Hill St., Crowley, LA 70526	Physical Address
Contact person Greg Pife	Contact person Mark Douglas
Phone 214-789-2879	Phone 513-309-3062
Order Number	Job Number
Generator's EPA ID Number (if applicable)	Comments

Description of Waste	Quantity (each)	Drum Size	Type	Type Description
Debris	30	Box		Bag
				Box (Cutting Box)
				Drum
				Tote (Tote Tank)
Oil Contaminated Absorbent				Other

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged in proper condition for transportation according to federal and state regulations.

Generator Authorized Agent Name (Print) Gregory E. Fife	Signature <i>Greg E. Fife</i> 6-10-11
--	--

Transporter

Transporter and Address LA Filter Recycling, LLC 18101 W LA Hwy 330 Abbeville, LA 70510	Phone 337-898-9368
	Vehicle License or Identification # 59
Driver Name (Print) Kendall Le Bospard	U.S. EPA I.D. or Vehicle Certification # LAR000057588
I hereby certify that the above named material was picked up at the generator's location listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Transporter Signature upon pick-up <i>Kendall Le Bospard</i> 6-10-11	Transporter Signature after Delivery Date

DESTINATION

Facility Name & Address LA Filter Recycling, LLC 18101 W LA Hwy 330 Abbeville, LA 70510	Phone 337-898-9368
	U.S. EPA I.D. or Vehicle Certification # LAR000057588
	State Registration # (if applicable)
Facility Operator Certification of Receipt of Materials Covered by this Manifest	
Facility Authorized Agent (Print)	Signature Date

LA FILTER RECYCLING, L.L.C.

NON-HAZARDOUS WASTE MANIFEST

Nº L 10839

GENERATOR	Generator Agent or Contactor
Generator Name & Mailing Address USEPA Region 6, 1445 Ross Ave, Suite 1200 (6SF-PR), Dallas, TX 75202	Charge to Company & Mailing Address if different from Generator Environmental Quality Management 1800 Carillon Blvd, Cincinnati, OH 45240
Generator Location 1504 W Mill St., Crowley, LA 70526	Physical Address
Contact person Greg Fife	Contact person Mark Douglas
Phone 214-789-2879	Phone 513-309-3062
Order Number	Job Number
Generator's EPA ID Number (if applicable)	Comments

Description of Waste	Quantity (each)	Drum Size	Type	Type Description
				Bag
				Box (Cutting Box)
				Drum
				Tote (Tote Tank)
Oil Contaminated Absorbent	30000			Other

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged in proper condition for transportation according to federal and state regulations.

Generator Authorized Agent Name (Print) Gregory E. Fife	Signature <i>Gregory E. Fife</i> 6-13-11
--	---

Transporter

Transporter and Address LA Filter Recycling, LLC 18101 W LA Hwy 330 Abbeville, LA 70510	Phone 337-898-9368
	Vehicle License or Identification # 57
Driver Name (Print) Kendall Sasser	U.S. EPA I.D. or Vehicle Certification # LAR000057588
I hereby certify that the above named material was picked up at the generator's location listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Transporter Signature upon pick-up <i>Kendall Sasser</i> 6-13-11	Transporter Signature after Delivery Date

DESTINATION

Facility Name & Address LA Filter Recycling, LLC 18101 W LA Hwy 330 Abbeville, LA 70510	Phone 337-898-9368
	U.S. EPA I.D. or Vehicle Certification # LAR000057588
	State Registration # (if applicable)
Facility Operator Certification of Receipt of Materials Covered by this Manifest	
Facility Authorized Agent (Print)	Signature Date

LA FILTER RECYCLING, L.L.C.

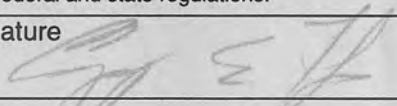
NON-HAZARDOUS WASTE MANIFEST

Nº L 10838

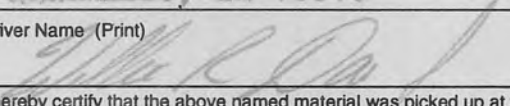
GENERATOR	Generator Agent or Contactor
Generator Name & Mailing Address USEPA Region 6, 1445 Ross Ave, Suite 1200 (6SF-PR), Dallas, TX 75202	Charge to Company & Mailing Address if different from Generator Environmental Quality Management 1800 Carillon Blvd, Cincinnati, OH 45240
Generator Location 1504 W Mill St., Crowley, LA 70526	Physical Address
Contact person Greg Fife	Contact person Mark Douglas
Phone 214-789-2879	Phone 513-309-3062
Order Number	Job Number
Generator's EPA ID Number (if applicable)	Comments

Description of Waste	Quantity (each)	Drum Size	Type	Type Description
Oil Contaminated Soil	15 cu/yd			Bag
				Box (Cutting Box)
				Drum
				Tote (Tote Tank)
Oil Contaminated Absorbent				Other

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged in proper condition for transportation according to federal and state regulations.

Generator Authorized Agent Name (Print) Gregory E. Fife	Signature  6-17-11
--	---

Transporter

Transporter and Address LA Filter Recycling, LLC 18101 W LA Hwy 330 Abbeville, LA 70510	Phone 337-898-9368
Driver Name (Print) 	Vehicle License or Identification # TT25
	U.S. EPA I.D. or Vehicle Certification # LAR000057588
I hereby certify that the above named material was picked up at the generator's location listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Transporter Signature upon pick-up Date	Transporter Signature after Delivery Date

DESTINATION

Facility Name & Address LA Filter Recycling, LLC 18101 W LA Hwy 330 Abbeville, LA 70510	Phone 337-898-9368
	U.S. EPA I.D. or Vehicle Certification # LAR000057588
	State Registration # (if applicable)
Facility Operator Certification of Receipt of Materials Covered by this Manifest	
Facility Authorized Agent (Print)	Signature Date

LA FILTER RECYCLING, L.L.C.


NON-HAZARDOUS WASTE MANIFEST

Nº L 10843

GENERATOR		Generator Agent or Contactor	
Generator Name & Mailing Address USEPA Region 6, 1445 Ross Ave, Suite 1200 (6SF-PR), Dallas, TX 75202		Charge to Company & Mailing Address if different from Generator Environmental Quality Management 1800 Carillon Blvd, Cincinnati, OH 45240	
Generator Location 1504 W Mill St., Crowley, LA 70526		Physical Address	
Contact person Greg Fife		Contact person Mark Douglas	
Phone 214-789-2879		Phone 513-309-3062	
Order Number		Job Number	
Generator's EPA ID Number (if applicable)		Comments	

Description of Waste	Quantity (each)	Drum Size	Type	Type Description
Oil Contaminated Soil	15 cu/yd-			Bag
				Box (Cutting Box)
				Drum
				Tote (Tote Tank)
Oil Contaminated Absorbent				Other

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged in proper condition for transportation according to federal and state regulations.

Generator Authorized Agent Name (Print) Gregory E. Fife	Signature 
--	---

Transporter	
Transporter and Address LA Filter Recycling, LLC, 18101 W LA Hwy 330 Abbeville, LA 70510	Phone 337-898-9368
	Vehicle License or Identification # TT04
Driver Name (Print) M. Hill	U.S. EPA I.D. or Vehicle Certification # LAR000057588
I hereby certify that the above named material was picked up at the generator's location listed above.	
I hereby certify that the above named material was delivered without incident to the destination listed below.	
Transporter Signature upon pick-up	Date
Transporter Signature after Delivery	Date

DESTINATION	
Facility Name & Address LA Filter Recycling, LLC 18101 W LA Hwy 330 Abbeville, LA 70510	Phone 337-898-9368
	U.S. EPA I.D. or Vehicle Certification # LAR000057588
	State Registration # (if applicable)
Facility Operator Certification of Receipt of Materials Covered by this Manifest	
Facility Authorized Agent (Print)	Signature
	Date

LA FILTER RECYCLING, L.L.C.

NON-HAZARDOUS WASTE MANIFEST

Nº L 10844

GENERATOR		Generator Agent or Contactor	
Generator Name & Mailing Address USEPA Region 6, 1445 Ross Ave, Suite 1200 (6SF-PR), Dallas, TX 75202		Charge to Company & Mailing Address if different from Generator Environmental Quality Management 1800 Carillon Blvd, Cincinnati, OH 45240	
Generator Location 1504 W Mill St., Crowley, LA 70526		Physical Address	
Contact person Greg Rife		Contact person Mark Douglas	
Phone 214-789-2879		Phone 513-309-3062	
Order Number		Job Number	
Generator's EPA ID Number (If applicable)		Comments	

Description of Waste	Quantity (each)	Drum Size	Type	Type Description
Oil Contaminated Soil	15 cu/yd			Bag
				Box (Cutting Box)
				Drum
				Tote (Tote Tank)
Oil Contaminated Absorbent				Other

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged in proper condition for transportation according to federal and state regulations.

Generator Authorized Agent Name (Print) Bryant Smalley Bryant Smalley	Signature Bryant Smalley 6-17-11
---	-------------------------------------

Transporter	
Transporter and Address LA Filter Recycling, LLC DES 18101 W LA Hwy 330 Abbeville, LA 70510 BEISNER, LA	Phone 337-898-9368
	Vehicle License or Identification # TT 15
Driver Name (Print) Bryant Smalley	U.S. EPA I.D. or Vehicle Certification # LAR000057588
I hereby certify that the above named material was picked up at the generator's location listed above.	
Transporter Signature upon pick-up	Date
I hereby certify that the above named material was delivered without incident to the destination listed below.	
Transporter Signature after Delivery	Date

DESTINATION	
Facility Name & Address LA Filter Recycling, LLC 18101 W LA Hwy 330 Abbeville, LA 70510	Phone 337-898-9368
	U.S. EPA I.D. or Vehicle Certification # LAR000057588
	State Registration # (If applicable)
Facility Operator Certification of Receipt of Materials Covered by this Manifest	
Facility Authorized Agent (Print)	Signature
	Date

LA FILTER RECYCLING, L.L.C.

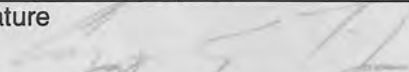
NON-HAZARDOUS WASTE MANIFEST

Nº L 10837

GENERATOR	Generator Agent or Contactor
Generator Name & Mailing Address USEPA Region 6, 1445 Ross Ave, Suite 1200 (6SF-PR), Dallas, TX 75202	Charge to Company & Mailing Address if different from Generator Environmental Quality Management 1800 Carillon Blvd, Cincinnati, OH 45240
Generator Location 1504 W Mill St., Crowley, LA 70526	Physical Address
Contact person Greg Fife	Contact person Mark Douglas
Phone 214-789-2879	Phone 513-309-3062
Order Number	Job Number
Generator's EPA ID Number (if applicable)	Comments

Description of Waste	Quantity (each)	Drum Size	Type	Type Description
				Bag
				Box (Cutting Box)
				Drum
				Tote (Tote Tank)
Oil Contaminated Absorbent	25	30% Box		Other
KG 2x 4005				

I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR part 261 or any applicable state law, has been properly described, classified and packaged in proper condition for transportation according to federal and state regulations.

Generator Authorized Agent Name (Print) Gregory E. Fife	Signature  7-2-11
---	--

Transporter	
Transporter and Address LA Filter Recycling, LLC 18101 W LA Hwy 330 Abbeville, LA 70510	Phone 337-898-9368
	Vehicle License or Identification #
Driver Name (Print) Bl. D. Thomas	U.S. EPA I.D. or Vehicle Certification # LAR000057588
I hereby certify that the above named material was picked up at the generator's location listed above.	I hereby certify that the above named material was delivered without incident to the destination listed below.
Transporter Signature upon pick-up Date	Transporter Signature after Delivery Date

DESTINATION	
Facility Name & Address LA Filter Recycling, LLC 18101 W LA Hwy 330 Abbeville, LA 70510	Phone 337-898-9368
	U.S. EPA I.D. or Vehicle Certification # LAR000057588
	State Registration # (if applicable)
Facility Operator Certification of Receipt of Materials Covered by this Manifest	
Facility Authorized Agent (Print)	Signature Date

ATTACHMENT K

NRC REPORT NOS. 977719 AND 977725

NATIONAL RESPONSE CENTER 1-800-424-8802

*** For Public Use ***

Information released to a third party shall comply with any applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 977719

INCIDENT DESCRIPTION

*Report taken at 13:29 on 29-MAY-11

Incident Type: UNKNOWN SHEEN

Incident Cause: UNKNOWN

Affected Area: BAYOU BLANC

The incident was discovered on 29-MAY-11 at 11:30 local time.

Affected Medium: WATER BAYOU BLANC > BAYOU PLAQUEMINE

SUSPECTED RESPONSIBLE PARTY

XX

Type of Organization: UNKNOWN

INCIDENT LOCATION

20 BAYOU OAKS DR. County: ACADIA

City: CROWLEY State: LA Zip: 70526

BAYOU BLANC, BEHIND THE ADDRESS LOCATION

RELEASED MATERIAL(S)

CHRIS Code: OUN Official Material Name: UNKNOWN OIL

Also Known As:

Qty Released: 0 UNKNOWN AMOUNT

Qty in Water: 0 UNKNOWN AMOUNT

DESCRIPTION OF INCIDENT

CALLER IS REPORTING AN UNKNOWN SHEEN SIGHTING. EXACT SOURCE OF THE SHEEN IS UNKNOWN AT THIS TIME. CALLER DESCRIBED THE MATERIAL AS "THICK & DULL".

INCIDENT DETAILS

Platform Rig Name:

Platform Letter:

Location Area ID:

Location Block ID:

OCSG Number:

OCSF Number:

State Lease Number:

Pier Dock Number:

Berth Slip Number:

---SHEEN INFORMATION---

Sheen Color: DARK BLACK

Sheen Odor Description: CRUDE OIL

Sheen Travel Direction:

Sheen Size Length: .25 MILES

Sheen Size Width: 30 FEET

---WATER INFORMATION---

Body of Water: BAYOU BLANC

Tributary of: BAYOU PLAQUEMINE

Nearest River Mile Marker:

Water Supply Contaminated: UNKNOWN

DAMAGES

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO

Hospitalized:

Empl/Crew:

Passenger:

FATALITIES: NO

Empl/Crew:

Passenger:

Occupant:

EVACUATIONS: NO

Who Evacuated:

Radius/Area:

Damages: NO

<u>Closure Type</u>	<u>Description of Closure</u>	<u>Length of Closure</u>	<u>Direction of Closure</u>
Air:	N		
Road:	N		Major Artery: N
Waterway:	N		
Track:	N		

Passengers Transferred: NO
 Environmental Impact: UNKNOWN
 Media Interest: NONE Community Impact due to Material:

REMEDIAL ACTIONS

CALLER IS MAKING NOTIFICATIONS.

Release Secured: UNKNOWN

Release Rate:

Estimated Release Duration:

WEATHER

Weather: SUNNY, 90°F Wind speed: 15 MPH Wind direction: S
 Wave Condition: 0 CALM

ADDITIONAL AGENCIES NOTIFIED

Federal: NONE

State/Local: 911

State/Local On Scene: FIRE DEPT.

State Agency Number: NO REPORT #

NOTIFICATIONS BY NRC

DHS NOC (NOC)

29-MAY-11 13:34

USCG ICC (ICC ONI)

29-MAY-11 13:34

DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)

29-MAY-11 13:34

U.S. EPA VI (MAIN OFFICE)

29-MAY-11 13:36

FLD INTEL SUPPORT TEAM NEW ORLEANS (SUPERVISOR, FIST NEW ORLEANS)

29-MAY-11 13:34

FLD INTEL SUPPORT TEAM PORT ARTHUR (FIST COMMAND CENTER)

29-MAY-11 13:34

JFO-LA (COMMAND CENTER)

29-MAY-11 13:34

JFO-LA (FEMA JFO LA)

29-MAY-11 13:34

LA DEPT OF ENV QUAL (MAIN OFFICE)

29-MAY-11 13:34

LA DEPT OF NATURAL RESOURCES (OFFICE OF CONSERVATION)

29-MAY-11 13:34

LA DEPT OF WILDLIFE AND FISHERIES (MAIN OFFICE)

29-MAY-11 13:34

LA GOV OFFICE HS AND EMERGENCY PREP (MAIN OFFICE)

29-MAY-11 13:34

LA OFFICE OF GOV (MAIN OFFICE)

29-MAY-11 13:34

LA OFFICE OF PUBLIC HEALTH (MAIN OFFICE)

29-MAY-11 13:34

MSU MORGAN CITY (MAIN OFFICE)

29-MAY-11 13:38

NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)

29-MAY-11 13:34

NOAA RPTS FOR LA (MAIN OFFICE)

29-MAY-11 13:34

LA STATE POLICE (MAIN OFFICE)
29-MAY-11 13:34

ADDITIONAL INFORMATION

CALLER STATES THE SHEEN LENGTH IS "AS FAR AS THE EYE CAN SEE".

*** END INCIDENT REPORT # 977719 ***

NATIONAL RESPONSE CENTER 1-800-424-8802

*** For Public Use ***

Information released to a third party shall comply with any applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 977725

INCIDENT DESCRIPTION

*Report taken at 14:38 on 29-MAY-11

Incident Type: STORAGE TANK

Incident Cause: OTHER

Affected Area:

The incident was discovered on 28-MAY-11 at 12:30 local time.

Affected Medium: WATER BAYOU BLANC

SUSPECTED RESPONSIBLE PARTY

Organization: SOUTHWEST RICE MILL
CROWLEY, LA 70526

Type of Organization: PRIVATE ENTERPRISE

INCIDENT LOCATION

216 NORTH EASTERN AVENUE County: ACADIA

City: CROWLEY State: LA Zip: 70726

Latitude: 30° 12' 09" N

Longitude: 092° 23' 01" W

OFF ROLLER ROAD

RELEASED MATERIAL(S)

CHRIS Code: UNK Official Material Name: UNKNOWN MATERIAL

Also Known As: UNKNOWN OILY MATERIAL POSSIBLY WITH PESTICIDES

Qty Released: 0 UNKNOWN AMOUNT Qty in Water: 0 UNKNOWN AMOUNT

DESCRIPTION OF INCIDENT

A TANK ALONG SIDE THE ACADIANA RAIL SPUR NEXT TO THE SOUTHWEST RICE MILL WAS DAMAGED BY MILL EMPLOYEES: THE MATERIAL, AN OILY GUMMY MIXTURE EMPTIED INTO A DITCH AND TRAVELLED TO BAYOU BLANC. THE MATERIAL HAS SPREAD INTO THE WATER. THE RESPONSIBLE PARTY REFUSES TO CLEAN UP THE MATERIAL. THE RAIL SPUR OWNERS REFUSE TO CLEAN UP THE MATERIAL

INCIDENT DETAILS

Description of Tank: 15' X 20'

Tank Above/Below Ground: ABOVE

Transportable Container: UNKNOWN

Tank Regulated: UNKNOWN

Tank Regulated By:

Tank ID:

Capacity of Tank: 20000 GALLON(S)

Actual Amount:

DAMAGES

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger:

FATALITIES: NO Empl/Crew: Passenger: Occupant:

EVACUATIONS: NO Who Evacuated: Radius/Area:

Damages: NO

<u>Closure Type</u>	<u>Description of Closure</u>	<u>Length of Closure</u>	<u>Direction of Closure</u>
Air:	N		
Road:	N		Major

Waterway: N

Artery: N

Track: N

Passengers Transferred: NO

Environmental Impact: UNKNOWN

Media Interest: NONE Community Impact due to Material:

REMEDIAL ACTIONS

NONE AT THIS TIME

Release Secured: NO

Release Rate:

Estimated Release Duration:

WEATHER

Weather: CLEAR, °F

ADDITIONAL AGENCIES NOTIFIED

Federal: USEPA REGION VI

State/Local: LADEQ

State/Local On Scene: LADEQ/FIRE

State Agency Number: NOT SPECIFIED

NOTIFICATIONS BY NRC

CALCASIEU PARISH SHERIFF'S DEPT (CRIMINAL INTELLIGENCE UNIT)

29-MAY-11 15:09

DHS NOC (NOC)

29-MAY-11 15:09

DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)

29-MAY-11 15:09

U.S. EPA VI (MAIN OFFICE)

29-MAY-11 15:10

FLD INTEL SUPPORT TEAM NEW ORLEANS (SUPERVISOR, FIST NEW ORLEANS)

29-MAY-11 15:09

FLD INTEL SUPPORT TEAM PORT ARTHUR (FIST COMMAND CENTER)

29-MAY-11 15:09

JFO-LA (COMMAND CENTER)

29-MAY-11 15:09

JFO-LA (FEMA JFO LA)

29-MAY-11 15:09

LA DEPT OF ENV QUAL (MAIN OFFICE)

29-MAY-11 15:09

LA DEPT OF NATURAL RESOURCES (OFFICE OF CONSERVATION)

29-MAY-11 15:09

LA GOV OFFICE HS AND EMERGENCY PREP (MAIN OFFICE)

29-MAY-11 15:09

LA OFFICE OF GOV (MAIN OFFICE)

29-MAY-11 15:09

LA OFFICE OF PUBLIC HEALTH (MAIN OFFICE)

29-MAY-11 15:09

MSU MORGAN CITY (MAIN OFFICE)

29-MAY-11 15:13

NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)

29-MAY-11 15:09

NOAA RPTS FOR LA (MAIN OFFICE)

29-MAY-11 15:09

LA STATE POLICE (MAIN OFFICE)

29-MAY-11 15:09

WEB REPORT (WEB REPORT SUBMITTER)

29-MAY-11 15:09

ADDITIONAL INFORMATION

MATERIAL IN WATER HAS SPREAD TO 300 11' 35.7" N AND 920 23' 17.2" W.

WEB REPORT

LOCAL FIRE DEPT ON SCENE

*** END INCIDENT REPORT # 977725 ***

ATTACHMENT L

TDD NO. TO-0002-11-05-02

! = required field

TDD Name: Southwest Rice Mill		! Period: Base Period	
! Purpose: Work Assignment Initiation		Verbal Date: 05/29/2011	
! Priority: High		! Start Date: 05/29/2011	
Overtime: Yes		! Completion Date: 09/30/2011	
! Funding Category: OPA Site		Invoice Unit:	
! Project/Site Name: Southwest Rice Mill		WorkArea: RESPONSE ACTIVITIES	
Project Address: Bayou Oaks Drive		Activity: Emergency Response	
County: Acadia		Work Area Code:	
City, State: Crowley, LA		Activity Code:	
Zip: 70526		EMERGENCY CODE: <input type="checkbox"/> KAT <input type="checkbox"/> RIT	
! SSID: V6MT		FPN: E11620	
CERCLIS:		Performance Based: No	
Operable Unit:			
Authorized TDD Ceiling:	Cost/Fee	LOE (Hours)	
Previous Action(s):	\$0.00	0.0	
This Action:	\$50,000.00	0.0	
New Total:	\$50,000.00	0.0	

Specific Elements More specifically the contractor shall, - Collect facts regarding the discharge or release to include its source and cause, - Identify potentially responsible parties, - Analyze the nature amount and location of discharged or released materials, - Identify the pathways to human and environmental exposure, - Analyze the potential impact on human health welfare and safety and the environment posed by the release of hazardous substances contaminants or pollutants and discharge of oil, - Document costs incurred by the contractor for the response actions, - Develop options to abate prevent minimize stabilize mitigate eliminate or remove the threat of a release to public health or welfare or the environment, - Prepare a sampling plan which describes the number type and location of samples and the type of analyses (for example sampling and analysis plans for collection of multi-media environmental samples chemical product or waste oil or other materials), - Observe and document federal state and private actions taken to conduct a response action, - Review completeness of disposal documentation such as manifests waste profile data and other information, - Input contractor's costs using the EPA cost tracking software Removal Cost Management System (RCMS), - Analyze PRP response documents and actions, - Analyze the accuracy timeliness and completeness of PRP reports, - Document PRP activities and provide negotiation support, - Verify PRP compliance with enforcement orders, - Identify local and elected officials, Provide technical advice findings facts recommendations and options.

Description of Work:

All activities performed in support of this TDD shall be in accordance with the contract and TO PWS.

Respond with Tier I capability, provide written/photographic documentation, assist with website and POLREPs, provide air monitoring and sampling as determined by OSC/TM, provide an Emergency response removal report upon completion, cost track by RCMS, provide analytical services as required, and provide technical assistance and expertise as required.

Task Monitor for this TDD is OSC Greg Fife.

Accounting and Appropriation Information

SFO: 22

Line	DCN	IFMS	Budget/ FY	Appropriati on Code	Budget Org Code	Program Element	Object Class	Site Project	Cost Org Code	Amount
1	HRC011	XXX	09	HR	06s	302D91C	2505	V6MT0000	C001	\$50,000.00

Funding Summary:		Funding
	Previous:	\$0.00
	This Action:	\$50,000.00
	Total:	\$50,000.00

Funding Category
OPA Site

Section

- Signed by Steve Mason/R6/USEPA/US on 06/02/2011 01:45:11 PM, according to Jeff Criner/start6/rfw-st

: Steve Mason Date: 06/02/2011

Project Officer Section - Signed by Cora Stanley/R6/USEPA/US on 06/03/2011 10:44:13 PM, according to Jeff

Project Officer: Cora Stanley **Date:** 06/03/2011

Contracting Officer Section - Signed by Cora Stanley/R6/USEPA/US on 06/03/2011 10:44:13 PM, according to

Contracting Officer: Cora Stanley **Date:** 06/03/2011

Contractor Section

Contractor Contact: **Date:**